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INVENTORY

SMOS, Point Mugu, Ca.

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SMOS

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURF

STATION: #98111 Point Mugu, CA

PERIOD: January 1960-December 1962

FORM NO. 72049-1 0001 October 1960

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Summary of Meteorological Observations, Surface (SMOS) Point Mugu, CA		5. TYPE OF REPORT & PERIOD COVERED Reference Report 1973-1982
		6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(s) NA		8. CONTRACT OR GRANT NUMBER(s)
9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Oceanography Command Detachment Federal Building Asheville, NC 28801		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
11. CONTROLLING OFFICE NAME AND ADDRESS Commanding Officer Naval Oceanography Command Facility NSTL, MS 39529-5002		12. REPORT DATE October 1983
		13. NUMBER OF PAGES 358
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, coastal region, snow depth, and cloud cover		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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S/N 0102-LF-014-6601

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

STATION NO. OR SUMMARY: 93111	STATION NAME: Point Mugu, California	LATITUDE: 34°07'N	LONGITUDE: 119°07'W	STATION ELEV. (FT.) 12	CALL SIGN: KNTD	WMO NUMBER: 72391
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STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF BARD LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Aerological office on second deck of hangar, Bldg 34	Navy		1955	34°07'N	119°07'W	29.84	Mercurial	24
2.	Aerological office, first deck of hangar, Bldg 34	"	1955	1962	"	"	14.10	"	"
3.	New barometer installed on second deck, Bldg 34	"	1962	1964	"	"	27.30	"	"
4.	In observer tower atop hangar 34	"	1964	1965	"	"	77.00	"	"
5.	PMR Weather Center, Bldg 552	"	1965	1966	"	"	11.25	"	"
6.	" " " " "	"	1966	1968	"	"	11.07	"	"
7.	" " " " "	"	1968	1976	"	"	11.03	"	"
8.	PMTC " " " "	"	1976		"	"	8.77	"	"
1a.	PMR " " " "	"	1965	1976	"	"	13.25	Aneroid	"
2a.	PMTC " " " "	"	1976		"	"	11.58	"	"
Wind data earlier than 1961 should not be summarized with later data since the anemometer height is not compatible with the 1961 to present exposure.									

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.		On west end of hangar roof	Selsyn	Double	79'	1. Micro-barograph (AERO 1932 USN)
1a.		Top of control tower	AN-UMQ-5			2. Auto met station (AN/GMQ-29)
2.	Replaced 1957	Mounted on existing selsyn mast	AN-UMQ-5C	RD-108	106'	3. Cloud height set (AN/GMQ-13D)
3.	1960	Change in height	"	"	93'	4. Theodolite (shore type)
4.	1961	1800 feet southwest of intersection of runways 05-23 and 11-29	"	"	13'	5. Transmissometer (AN/GMQ-10C)
5.	1964	13 ft above runway elev, 450 ft from centerline runway 03-21, 1600 ft SW intersection runway 03-21 and 09-27	"	"	"	6. Radiosonde/Rawinsonde set (AN/GMD-1B)
6.	1976	Secondary AN/UMQ-5, 1,100 ft NNE intersection Rnys 3-21 & 9-27 & 900 ft from centerline Rnys 3-21	"	"	"	7. Met. Satellite System (AN/GKR-4)
						8. Met. sounding system (MSS) 4/82
						9. AN/FMC-2
						10. Laguna Peak AN/GMQ-29B 9/81

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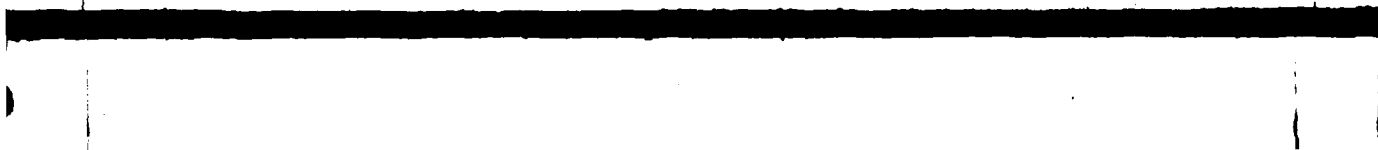
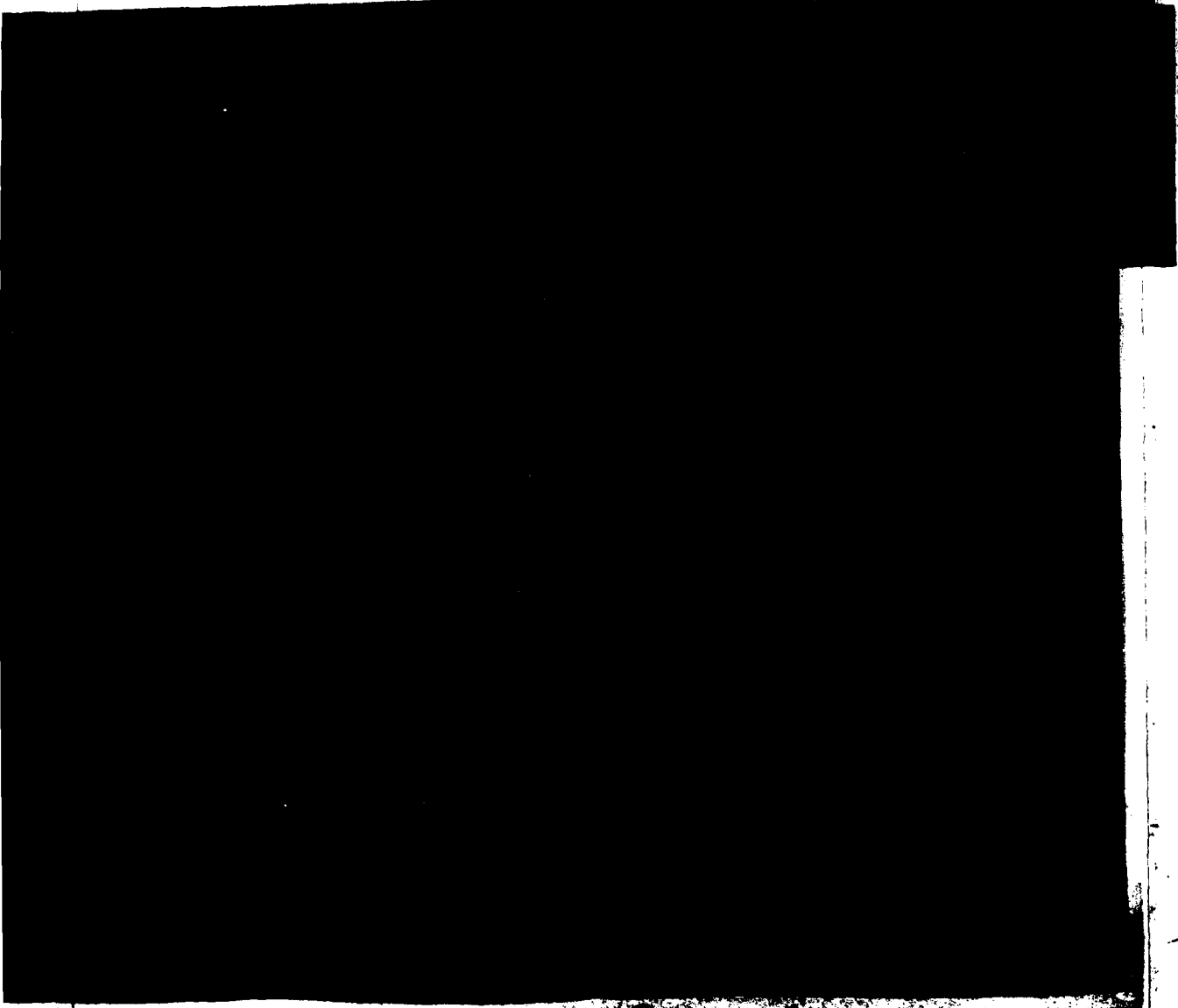
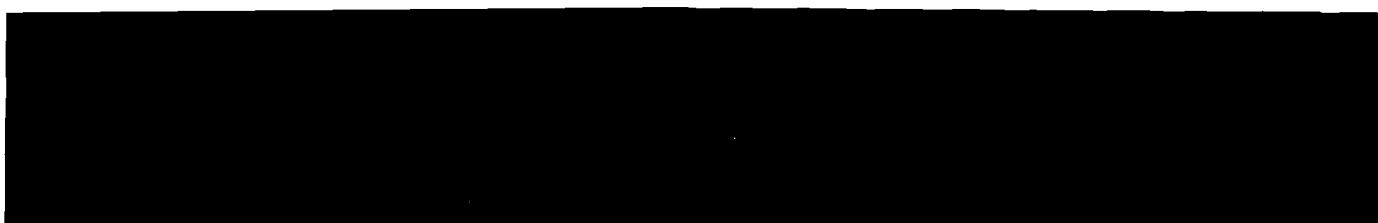
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCD), Asheville, N.C. welcomes your comment and criticisms.



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Asheville, N. C.

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

lowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

WEATHER CONDITIONS

7111 POINT MUGU, CALIFORNIA

60-79

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	2.1	23.1		.3	.5	23.1	36.0	34.5		.2	46.6	620
FEB		1.8	25.5		.2	.4	25.5	43.2	38.8		.2	52.7	565
MAR		1.0	24.4			.2	24.4	40.6	41.1		.2	52.6	620
APR		.5	16.5			.2	16.5	38.0	43.7			51.8	600
MAY			19.5				19.5	51.1	58.7			66.3	620
JUN		.2	28.4				28.4	62.6	67.3			74.0	599
JUL		.5	19.5				19.5	79.0	83.5			89.4	620
AUG		1.0	17.6				17.6	77.7	85.2			87.9	620
SEP		1.7	21.3			.2	21.3	68.8	78.7			83.5	600
OCT		1.0	14.7				14.7	61.6	64.0		.3	72.7	620
NOV		1.7	20.0				20.0	45.7	42.8		.2	52.8	600
DEC		.6	20.5			.2	20.5	39.4	36.8			48.5	620
TOTALS		1.0	20.9		.0	.1	20.9	53.6	56.3	.0	.1	64.9	7304

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WEATHER CONDITIONS

111 POINT MUGN, CALIFORNIA 73-92 JAN
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	01		8.7				8.7	10.7	5.0			22.6	710
	04	.3	8.1				8.1	19.4	5.8			23.2	710
	07		5.1				5.1	17.4	5.2			20.6	710
	1		7.7				7.7	13.9	8.7			20.3	710
	13	.3	7.4				7.4	7.7	13.9			20.3	710
	16		8.4				8.4	8.7	15.6			22.3	310
	19	.3	6.5				6.5	12.3	10.6			19.7	310
	22		6.1				6.1	13.9	4.5			18.1	210
TOTALS		.1	7.6				7.6	14.0	6.6			20.9	2480

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WEATHER CONDITIONS

111

POINT MUGU, CALIFORNIA

73- 2

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	01	.4	5.0				5.0	20.6	8.9			24.0	262
	04		7.8				7.8	24.8	5.7			26.6	283
	07		8.9				8.9	21.5	8.5			28.4	272
	10		7.8				7.8	20.9	16.7			28.4	252
	13		7.1				7.1	9.2	19.1			26.2	282
	16		8.9				8.9	9.2	16.8			26.2	242
	19	.4	8.9				8.9	13.5	12.4			21.6	252
	22		6.4				6.4	18.1	9.9			22.7	252
TOTALS		.1	7.6				7.6	17.7	12.5			25.6	2256

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4

WEATHER CONDITIONS

111 POINT MUGGER, CALIFORNIA 73-2 1947

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
1	01	.3	6.1				6.1	12.5	1.9			13.4	217
	04		7.4				7.4	16.5	2.9			17.7	217
	07		10.0				10.0	14.4	7.1			24.2	217
	10		7.1				7.1	10.6	16.4			26.6	217
	13		5.5				5.5	5.2	13.9			17.7	217
	16		6.9				6.9	4.8	11.6		.3	15.8	217
	19		5.2				5.2	6.9	6.5		.3	12.6	217
	22	.3	6.9				6.9	7.4	2.9			9.4	217
TOTALS		.1	7.1				7.1	10.5	6.0		.1	17.3	2467

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WEATHER CONDITIONS

1111 POINT Mugu, CALIFORNIA 71-42 APR 1955

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	01		4.3				4.3	20.3	7.7			25.3	300
	04		4.7				4.7	21.7	9.0			27.7	300
	07		3.7				3.7	31.0	20.0			42.0	300
	1		2.0				2.0	10.7	34.0		.3	38.7	300
	14	.3	1.7				1.7	3.7	31.3		.3	32.7	300
	17		2.0				2.0	2.7	29.0		.7	30.7	300
	20		2.3				2.3	11.7	21.0		.3	28.0	300
	22		2.3				2.3	12.3	10.7			19.3	300
TOTALS		.0	2.9				2.9	14.3	20.3		.2	30.6	2400

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WEATHER CONDITIONS

0111 POINT Mugu, CALIFORNIA 73-12 MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	01		5.8				5.8	28.1	22.9			42.9	310
	04		7.4				7.4	35.2	25.5			51.3	310
	07		7.7				7.7	42.9	34.8			65.2	310
	10		3.5				3.5	21.9	41.6			56.1	310
	13		1.0				1.0	11.3	41.9			47.1	310
	16		.3				.3	7.7	41.0		.3	45.2	310
	19		.6				.6	14.5	32.6			43.5	310
	22		2.6				2.6	21.3	22.6			37.7	310
TOTALS			3.6				3.6	22.9	32.9		.0	48.6	2480

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WEATHER CONDITIONS

111 POINT MUGO, CALIFORNIA 73- 2 JUN

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	01		6.0				6.0	32.4	16.7			44.8	299
	01		9.0				9.0	43.8	16.1			51.5	299
	07		8.0				8.0	49.2	27.4			65.2	299
	11	.3	2.0				2.0	15.4	42.8		.3	57.2	299
	14		.3				.3	5.4	48.9			50.8	299
	16		.3				.3	4.3	41.8			43.8	299
	17		.3				.3	10.4	33.1			40.1	299
	22		2.0				2.0	72.1	21.5			38.6	299
TOTALS		.0	3.5				3.5	73.4	31.0		.0	49.0	2391

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WEATHER CONDITIONS

STATION

POINT MUGU, CALIFORNIA

STATION NAME

73-72

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01		2.3				2.3	40.6	14.2			48.1	310
	04		5.2				5.2	57.1	15.5			64.5	310
	07		6.1				6.1	65.5	30.0			79.7	310
	10		.3				.3	24.5	57.7			71.3	310
	13	.3	.3				.3	6.5	59.4			61.3	310
	16		.3				.3	7.4	49.0			51.6	310
	19		.3				.3	15.5	31.6			40.3	310
	22		.6				.6	27.4	15.5			35.5	310
TOTALS		.0	1.9				1.9	30.6	34.2			56.5	2440

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WEATHER CONDITIONS

111 POINT MUGU, CALIFORNIA 73-72 AUG
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	01		3.2				3.9	46.1	18.4			60.3	317
	04		7.4				7.4	60.3	18.7			71.6	317
	07		4.8				4.8	65.5	30.3			80.6	317
	10		.6				.6	71.6	61.9			73.9	317
	13		1.0				1.0	7.7	56.1			69.0	317
	16		.6				.6	3.9	47.4			48.7	317
	19		.3				.3	19.0	39.7			49.4	317
	22	.3	1.3				1.3	10.3	22.3			47.1	317
TOTALS		.0	2.5				2.5	32.1	36.9			61.3	2487

NAVWEASERVCOM

WEATHER CONDITIONS

111
STATION

POINT MUGU, CALIFORNIA
STATION NAME

73-62
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	01		5.3				5.3	44.7	20.3			56.7	300
	04	.3	8.0				8.0	53.3	23.7			68.0	300
	07		8.7				8.7	57.7	33.7			75.0	300
	10	.3	2.0				2.0	71.3	57.7			69.0	300
	13	.3	2.7				2.7	8.3	54.0			57.0	300
	16	.3	1.3				1.3	7.7	47.3			50.0	300
	19	.3	2.7				2.7	71.3	35.0			47.7	300
	22		3.0				3.0	28.0	23.0			44.7	300
TOTALS		.2	4.2				4.2	30.3	36.8			58.5	2400

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WEATHER CONDITIONS

111 STATION POINT MUGU, CALIFORNIA 73-42 YEARS OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	01		3.2				3.2	41.3	12.3			46.4	310
	04		3.9				3.9	45.2	14.2			54.8	310
	07	.6	5.2				5.2	45.5	21.9			57.7	310
	10		2.3				2.3	19.7	39.4		.3	53.2	310
	13		2.3				2.3	8.1	42.3			46.8	310
	16		1.3				1.3	10.0	36.2		.3	42.7	309
	19		.3				.3	23.2	20.3			38.4	310
	22		1.3				1.3	30.6	15.5			41.3	310
TOTALS		.1	2.5				2.5	27.8	25.3		.1	47.9	2479

NAVWEASERVCOM

WEATHER CONDITIONS

5111 POINT MUGU, CALIFORNIA 75-72 NOV
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	01		3.3				3.3	27.3	7.0			30.3	300
	04		3.0				3.0	24.0	6.7			26.7	300
	07		3.7				3.7	22.7	7.7			25.7	300
	10		2.7				2.7	12.0	19.3		.7	28.3	300
	13		1.3				1.3	4.3	26.0		.3	28.3	300
	16	.3	2.7			.3	2.7	4.3	22.0			25.0	300
	19		3.0				3.0	13.3	12.0			21.0	300
	22	.7	3.0				3.0	24.0	7.7			27.3	300
TOTALS		.1	2.8			.0	2.8	16.5	13.6		.1	26.6	2400

NAVWEASERVCOM

WEATHER CONDITIONS

111

POINT MUGU, CALIFORNIA

73-82

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	01		3.5				3.5	24.8	7.1			29.7	110
	04		2.6				2.6	26.1	7.4			30.3	110
	07		3.2				3.2	23.5	10.0			28.1	110
	1		3.5				3.5	15.6	19.4			28.7	110
	17		3.2				3.2	7.1	29.0		.3	31.9	110
	19		3.9				3.9	7.8	25.6		.3	29.4	109
	19		3.9				3.9	17.8	13.3			27.5	109
	20		5.2				5.2	22.7	10.0			29.8	109
TOTALS			3.6				3.6	16.2	15.2		.1	29.4	2477

NAVWEASERVCOM

WEATHER CONDITIONS

4111 POINT MUGU, CALIFORNIA 73-42 ALL
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.1	7.6				7.6	14.0	6.8			20.9	2480
FEB		.1	7.6				7.6	17.7	12.5			25.6	2256
MAR		.1	7.1				7.1	10.5	8.0		.1	17.3	2430
APR		.0	2.9				2.9	14.3	20.3		.2	30.6	2400
MAY			3.6				3.6	22.9	32.9		.0	48.6	2480
JUN		.0	3.5				3.5	23.4	31.0		.0	49.0	2391
JUL		.0	1.9				1.9	30.6	34.2			56.5	2400
AUG		.0	2.5				2.5	32.1	36.9			61.3	2480
SEP		.2	4.2				4.2	30.3	36.8			58.5	2400
OCT		.1	2.5				2.5	27.8	25.3		.1	47.9	2479
NOV		.1	2.8			.0	2.8	16.5	13.6		.1	26.6	2400
DEC			3.6				3.6	18.2	15.2		.1	29.4	2477
TOTALS		.1	4.1			.0	4.1	21.5	23.0		.0	39.3	29203

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

111 POINT MUD, CALIFORNIA JANUARY 1973-DECEMBER 1982 JANUARY ALL
STATION STATION NAME YEARS MONTH HOUR U.S.T.

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.4	1.1	.4						9.1	2.1	6.3			42.1
NNE	1.2	1.5	.4						11.6	3.4	4.5			40.2
NE	4.4	4.4	.6					.6	12.4	1.5	5.4			77.1
ENE	3.6	3.6	.9						9.8	1.3	4.9			79.6
E	9.3	2.3	3.5						15.1	1.2	7.0			68.6
ESE	22.4	16.1	6.5						22.6		3.2			45.2
SE	10.0	3.3	5.0						10.0	1.7	13.3			45.0
SSE	10.7	5.3	1.3						21.3	1.3	13.3			53.3
S	12.0	5.6	1.9					.9	15.7	.9	15.7			58.3
SSW	3.7								14.9		27.0			60.4
SW	4.3	4.3							7.7		13.0			76.1
WSW		1.9	1.9						17.3		9.6			73.1
W	.	1.4							6.2	1.4	10.5			79.4
WNW	.1	1.5	.8						3.1	.8	5.4			48.5
NW			1.7						8.3		10.0			43.3
NNW	1.0	2.1							11.5		8.3			42.3
VARIABLE														
CALM	2.7	2.2	.8						15.3	4.7	4.7			64.6
TOTAL	100	66	23					3	301	46	209			1349
% TOTAL	4.0	2.7	.9					.1	12.1	1.9	8.4			74.6

TOTAL NUMBER OF OBSERVATIONS 2,481

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

111 POINT MUGO, CALIFORNIA JANUARY 1973-DECEMBER 1982 FEBRUARY ALL
STATION STATION NAME YEARS MONTH HOURS DAILY

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.1								14.0	4.5	9.5			78.2
NNE	2.1	1.5	1.0						19.1	4.4	13.2			70.6
NE	4.7	2.2	.9						14.6	1.3	3.9			74.8
ENE	4.1	2.0						.7	16.2	1.4	4.1			79.7
E	4.1	1.4	1.4						10.0		5.7			60.0
ESE	2.7	10.2							18.2		13.6			40.9
SE	1.1	10.5	1.0						14.0	7.0	12.3			43.9
SSE	.5	9.0	1.3					1.3	20.5		20.5			51.3
S	11.3	7.8							27.0	1.7	26.1			40.0
SSW	7.1	2.9	2.9						22.9		31.4			50.0
SW	1.7	1.7							13.6		27.6			58.6
WSW	1.5	3.2	4.8						9.5		15.9			69.8
W	1.2	.4							4.0	.4	11.3			84.3
WNW	1.4	.7	1.4						14.3		10.0			78.0
NW		1.5	1.5						16.2	2.9	7.4			76.5
NNW	.7								11.3	2.0	6.6			82.1
VARIABLE														
CALM	2.4	.3	1.6						20.4	3.7	14.9			64.8
TOTAL	100	50	21					2	352	48	280			1582
% TOTAL	4.4	2.2	.9					.1	15.6	2.1	12.4			70.2

TOTAL NUMBER OF OBSERVATIONS 2,255

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

111 POINT MUDU, CALIFORNIA JANUARY 1973-DECEMBER 1982 MARCH ALL
STATION STATION NAME YEARS MONTH HOUR

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.3	1.5							3.3	1.5	3.0			90.1
NNE	1.7	1.3	.7						7.8	1.3	4.6			95.0
NE	5.0	1.4	.7						13.0	2.1	2.9			77.9
ENE	2.4	7.1	1.2						9.4		2.4			50.0
E	6.3	6.3							12.7		7.9			76.2
ESE	11.4	11.9	2.4					4.8	33.3		4.8			40.5
SE	17.4	10.5	1.2						75.6		14.0			46.5
SSE	6.3	10.7	1.2						17.9	1.2	16.7			53.6
S	6.5	7.0	1.6						14.1	2.3	14.1			60.7
SSW	3.3	10.0	3.3						11.7		11.7			65.0
SW	5.0	2.9							5.8		17.4			69.6
WSW		1.7							3.4		16.4			71.0
W	1.7	.9	.4						2.1		9.2		.2	76.5
WNW	3.2	.9							4.1	.5	3.2		.5	78.2
NW		4.4							2.9	5.9	4.4			73.5
NNW	1.4	1.4							12.3		2.7			72.0
VARIABLE														
CALM	1.2	1.7	.5						15.8	1.7	7.1			76.4
TOTAL	76	76	14					2	235	24	193		2	1937
% TOTAL	3.3	3.1	.6					.1	9.5	1.0	7.8		.1	78.1

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

111 POINT MUGO, CALIFORNIA JANUARY 1973-DECEMBER 1990 APRIL ALL
STATION STATION NAME YEARS MONTH YEAR

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG -	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	.0	2.5							13.1	.3	8.2			77.0
NNE	1.0	.9							10.6	1.6	11.5			77.0
NE	2.7	2.7							22.3	.9	21.4		.6	55.0
ENE		1.0							19.2		9.6		1.9	75.0
E									10.5	2.6	21.1		2.6	66.4
ESE	.0							6.3	37.5		25.0			56.7
SE		.3							23.3		33.3			50.0
SSE		1.0							26.2		29.5			49.0
S	2.3		1.1						17.5		27.6			51.7
SSW		.9	.9						6.2	.9	42.7			50.9
SW									12.3		36.3			56.3
WSW	1.0	1.5							7.3	.7	30.7			63.0
W	.0	.9	.4						6.3		23.2		.4	71.2
WNW		.4	2.1						9.3		15.8			78.0
NW									20.2	3.2	22.3			64.7
NNW	2.2		1.4						10.6	1.4	5.4			42.4
VARIABLE														
CALM	.4	1.4	1.0						2.4	1.4	11.3			62.7
TOTAL	1.0	2.6	2.5					1	324	18	490		5	1673
% TOTAL	.0	1.1	1.0					.0	13.5	.8	20.0		.2	68.0

TOTAL NUMBER OF OBSERVATIONS

3,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

111 POINT MUGO, CALIFORNIA JANUARY 1973-DECEMBER 1992 MAY ALL
STATION STATION NAME YEARS MONTH HOURS

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N			1.4						13.7	2.7	20.5			68.1
NNE			1.3						11.3	6.3	32.5			48.3
NE			1.4						10.0	2.9	31.4			44.3
ENE			3.6						35.7		21.4			53.6
E	2.5								30.5	7.7	26.9			38.5
ESE	13.3		13.3						26.7	6.7	23.0			40.7
SE		2.0	7.8						45.1	2.0	37.3			27.5
SSE		1.5	7.4						45.6		26.5			32.4
S		.8	7.6						35.3		41.2			31.1
SSW		.9	4.4						22.8	.9	44.7			38.6
SW			1.4						17.4	3.3	35.9			50.0
WSW		.5	2.6						15.2	.5	37.7			50.3
W		.2	.4						11.2	.3	34.2		.2	57.9
WNW	.3	.3	3.1						16.5	.7	32.8			56.3
NW		1.2							20.0		25.9			61.2
NNW									17.8		22.2			66.7
VARIABLE														
CALM									25.6	2.3	28.0			47.3
TOTAL		10	76						533	34	805		1	1258
% TOTAL		.4	3.1						21.5	1.4	32.5		.0	50.7

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

0111 POINT MUD, CALIFORNIA JANUARY 1973-DECEMBER 1982 JUNE ALL
STATION STATION NAME YEARS MONTH HOURS U.S.T.

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.4								11.9	1.4	21.7			52.2
NNE			1.7						28.8	3.4	23.7			55.9
NE			5.9						13.3		23.5		2.0	45.1
ENE			7.4						45.5	3.4	27.6			17.2
E			7.1						40.0	7.1	14.3			35.7
ESE			5.6						40.0		22.2			27.8
SE			5.1						42.3		38.6			15.9
SSE			3.1						59.7	1.6	34.4			39.1
S			4.7						26.0		47.7			27.1
SSW			5.3						19.8		45.3			38.4
SW			5.0						18.8		50.0			36.3
WSW			1.1						13.8		47.7			41.4
W			5.0					.2	11.6	.2	32.9			59.2
WNW			2.4						13.7		30.7			59.8
NW			5.1						21.3	1.1	21.3			63.8
NNW			1.2						26.2		21.2			56.8
VARIABLE														
CALM			2.1						14.0	2.1	17.7			52.7
TOTAL	1		23					1	541	18	732		1	1217
% TOTAL	.0		3.5					.0	22.6	.8	30.6		.0	50.9

TOTAL NUMBER OF OBSERVATIONS 2,301

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

111 POINT MUGO, CALIFORNIA JANUARY 1973-DECEMBER 1982 JULY ALL
STATION STATION NAME YEARS MONTH HOURS L.S.T.

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N			1.7						48.3	1.7	23.3			41.7
NNE									58.7	6.3	23.8			25.4
NE			3.2						43.5	6.5	11.3			43.5
ENE									66.7	2.8	22.2			22.2
E			5.6						72.2		33.3			11.1
ESE			11.1						55.6		22.2			33.3
SE									41.1	2.2	37.8			22.2
SSE			7.1						37.5		35.7			35.7
S			2.4						72.1		57.1			20.2
SSW			3.2						25.8	2.2	62.4			19.4
SW			3.2						18.1		58.5			27.7
WSW									21.2		54.5			33.3
W		0.5	0.6					0.7	12.4	0.5	42.5			49.8
WNW			1.4						21.6	0.3	29.8			56.2
NW			1.9						24.7	0.6	28.0			52.2
NNW			0.0						44.1	2.0	16.7			46.1
VARIABLE														
CALM			1.0						37.9	5.1	18.3			47.7
TOTAL		3	45					1	711	47	844			1075
% TOTAL		0.1	1.8					0.0	28.7	1.9	34.1			43.4

TOTAL NUMBER OF OBSERVATIONS 2,478

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

0111 POINT MUDU, CALIFORNIA JANUARY 1973-DECEMBER 1982 AUGUST ALL
STATION STATION NAME YEARS MONTH HOURS OBS.

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.4		4.2						54.9	2.8	22.5			77.6
NNE			2.4						54.8		26.2			78.6
NE		1.1	1.1						49.5	1.1	25.3			74.1
ENE									57.1		31.4			74.3
E									78.9		26.3			15.8
ESE			6.3						50.0		25.0			25.0
SE			3.3						66.7	3.3	10.0			20.0
SSE			1.6						44.2	3.3	36.1			23.1
S	1.1		3.4						34.1		56.8			20.5
SSW									10.8	1.2	67.5			24.1
SW									19.3		57.1			33.7
WSW			1.4						20.7		53.1			34.5
W		.2	.9					.2	10.4		46.7			46.3
WNW	.1	.7	.7						22.2	.3	35.0			48.4
NW			1.7						34.3		29.7			44.6
NNW									36.0		32.0			45.1
VARIABLE														
CALM		.2	4.5						44.5	1.9	20.9			37.1
TOTAL	4	5	3					1	777	16	902			957
% TOTAL	4	.2	2.1					.0	71.3	.7	36.4			36.6

TOTAL NUMBER OF OBSERVATIONS 2,440

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

11 POINT MUDU, CALIFORNIA JANUARY 1973-DECEMBER 1982 SEPTEMBER ALL
STATION STATION NAME YEARS MONTH HOURS U.S.T.

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.1	1.1	4.2						35.8	3.2	17.9			43.4
NNE	1.9		2.5					.8	42.5	4.2	22.5			40.0
NE	.7	.7	2.7						37.0	1.4	26.7			42.5
ENE	1.0		3.6					1.4	45.5	3.6	29.1			32.7
E	3.0	3.0	3.0						39.4		30.3			39.6
ESE			3.4						65.5		24.1			24.1
SE	10.0	2.0	6.0						40.0	4.0	44.0			26.0
SSE	7.1	3.1	1.6					1.6	28.1	1.6	39.1			37.5
S		1.7	1.7						71.4		41.9			38.5
SSW		1.1	1.1					1.1	17.6	1.1	53.8			36.3
SW		1.1	6.3						22.1		47.4			36.8
WSW	.4		2.4						15.2		48.8			40.0
W	.2		2.3						13.9	.2	50.7			41.1
WNW	.7		2.3						20.8	.9	40.3			45.8
NW	.7	.7	1.4						29.7	3.4	24.3			50.7
NNW		1.0	7.2						39.2	6.2	27.8			39.2
VARIABLE														
CALM	4.4	4.8	1.9					4.7	11.4	1.1	24.7			39.5
TOTAL	21	16	64					5	663	64	869			976
% TOTAL	.7	.7	2.7					.2	37.6	2.7	36.2			40.7

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

111
STATION

POINT MUGU, CALIFORNIA
STATION NAME

JANUARY 1973-DECEMBER 1992
YEARS

OCTOBER
MONTH

ALL
HOURS U.S.T.

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	.1		1.1						22.9	5.7	16.6			58.9
NNE	.7	.7	.7						36.4	4.0	17.9			51.7
NE	1.1		3.3					.5	30.1	1.1	7.1		.5	64.5
ENE	1.5		1.5						33.3	1.5	4.5			63.6
E									36.8		28.0			50.0
ESE	5.9		5.9						41.2		11.8			47.1
SE	2.7		5.4						24.7	2.7	35.1			32.4
SSE	1.5	1.5	3.0						31.2		33.3			45.5
S	1.5		2.0						19.0	1.0	31.0			53.0
SSW	1.7	1.7	1.7						22.4		50.0			34.5
SW									16.4	1.5	38.8			46.3
WSW		1.0							12.9		40.6			50.5
W	.2	.5	.7						8.8		34.8			57.0
WNW			1.3						18.8	.6	24.7		.6	57.8
NW	.3	.9							32.5	1.8	23.7			47.8
NNW			1.6						32.0	3.1	14.8			53.9
VARIABLE														
CALM	1.1	1.7	2.1					.2	35.0	1.4	20.5			42.9
TOTAL	14	11	37					2	641	49	604		2	1278
% TOTAL	.0	.4	1.5					.1	25.9	2.0	24.4		.1	51.6

TOTAL NUMBER OF OBSERVATIONS 2,478

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

011 POINT MUGO, CALIFORNIA JANUARY 1973-DECEMBER 1982 NOVEMBER ALL
STATION STATION NAME YEARS MONTH HOURS

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		.7	.7						16.0	2.5	5.4			43.2
NNE	.4	.9	1.3						21.9	4.3	8.2			64.1
NE	1.5	.8	1.2						17.0	2.3	6.6		1.2	73.4
ENE		1.3	.6						16.9	1.9	7.1			77.4
E	1.3								15.5		2.6			89.5
ESE	3.3								26.7		24.7			43.3
SE	11.0								25.4		41.2			38.2
SSE	2.5	5.0							22.5	2.5	30.0			47.5
S	3.4	1.1	1.1						13.5		34.3			50.8
SSW	2.7	8.0					2.0	2.0	12.0		24.0			58.0
SW	4.1	4.1							18.4		34.7			51.0
WSW	3.1	1.5							7.7		23.1			69.2
W									4.7		18.7			77.6
WNW	.8	1.3							5.2		13.5			81.3
NW	3.0	1.5	1.5					1.5	16.4	3.0	11.9			67.2
NNW			1.2						13.8	1.2	10.8			74.0
VARIABLE														
CALM	1.1	.3	1.7					.3	20.8	5.8	11.0			58.4
TOTAL	27	22	19				1	3	345	51	319		3	1743
% TOTAL	1.1	.9	.8				.0	.1	14.4	2.1	13.3		.1	72.2

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

111 POINT MUGO, CALIFORNIA JANUARY 1973-DECEMBER 1982 DECEMBER ALL
STATION STATION NAME YEARS MONTH HOURS

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	.4		.7						16.7	5.3	12.4			70.6
NNE		.8	.4						17.8	1.5	14.0			71.6
NE	1.7	1.7	2.0						16.2	.7	7.3		.3	75.6
ENE	2.0	1.8							10.8	.5	4.9			62.8
E	2.4	1.1							12.6		5.7		1.1	77.0
ESE	1.1	5.3							21.1		15.8			47.4
SE	23.1	5.1							23.1	5.1	10.3			43.6
SSE	1.9								20.8	3.8	20.8			58.7
S	3.8	4.7	.9						17.0		26.4			51.9
SSW	5.2	6.9							24.1		32.3			44.4
SW		2.7	5.4						13.5		43.2			45.9
WSW		6.0							8.0		18.0			70.0
W	.2	1.4							5.2	.9	23.0			70.9
WNW			.8						8.7	.8	15.9			74.4
NW									10.3	2.3	7.0			43.7
NNW									11.6	1.7	12.4			74.5
VARIABLE														
CALM			1.0						24.5	4.6	14.0			51.8
TOTAL	42	31	17						399	52	366		2	1647
% TOTAL	1.7	1.3	.7						16.1	2.1	14.8		.1	68.1

TOTAL NUMBER OF OBSERVATIONS 2,477

NAVWEASERVCOM

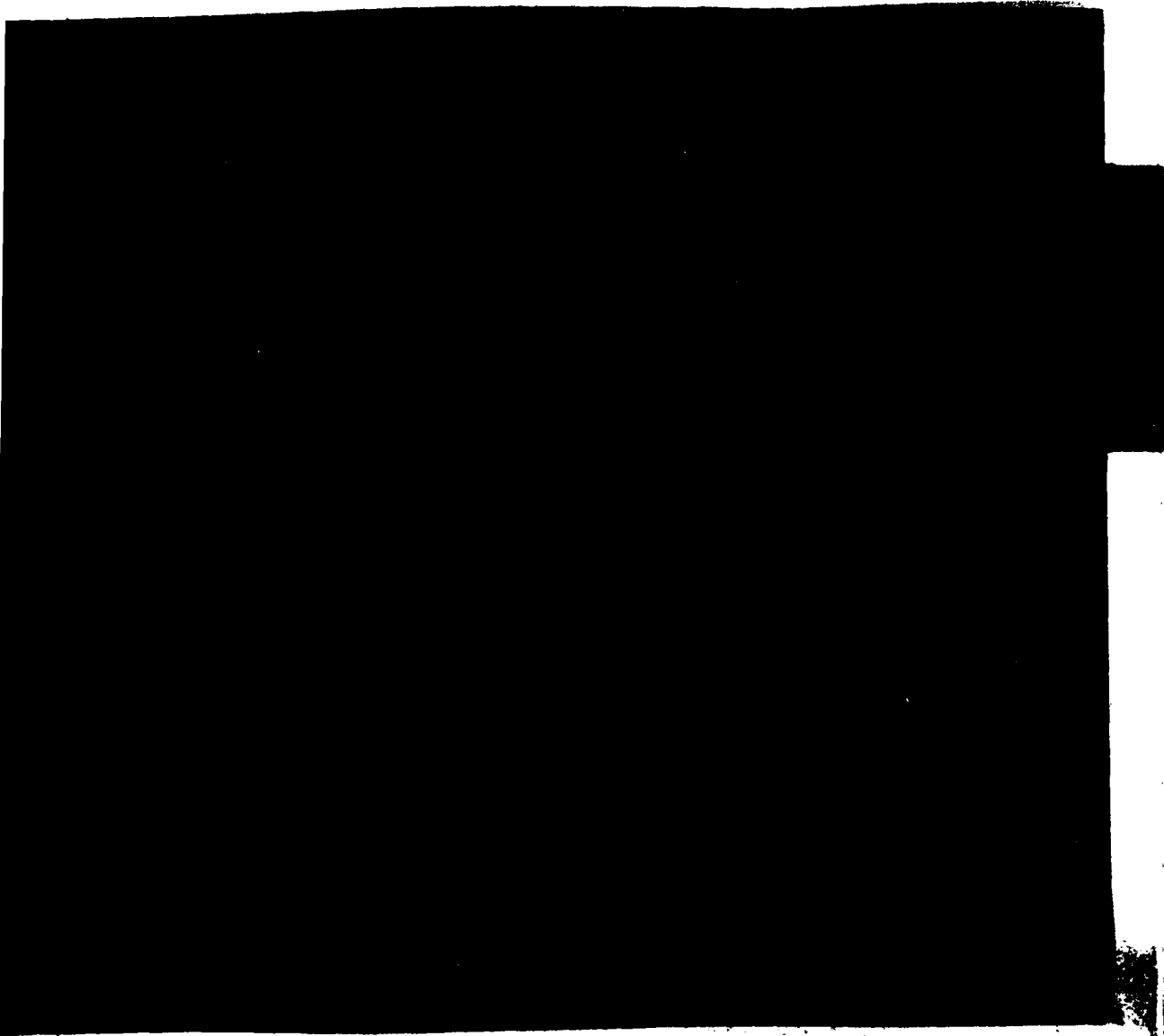
PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

111 POINT MUGO, CALIFORNIA JANUARY 1973-DECEMBER 1982 ALL ALL
STATION STATION NAME YEARS MONTH HOURS OBS.

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.0	.6	.8						17.0	3.1	10.9			72.0
NNE	1.0	.8	.9					.1	23.6	3.2	13.7			64.7
NE	2.0	1.7	1.6					.2	22.0	1.5	10.7		.4	66.3
ENE	2.0	2.1	.8					.2	25.8	1.3	8.7		.1	71.0
E	3.7	1.6	1.2						21.3	.9	12.5		.4	66.2
ESE	12.4	6.6	3.3					1.0	33.8	.3	16.1			41.0
SE	10.3	3.9	2.4						34.5	2.3	25.9			35.3
SSE	3.5	3.3	2.3					.3	29.1	1.2	27.3			43.9
S	3.3	2.6	2.4					.1	22.9	.6	34.5			42.5
SSW	1.0	2.1	1.7				.1	.2	17.7	.6	43.2			42.7
SW	1.0	1.0	2.3						15.6	.5	40.8			46.5
WSW	.4	.9	1.2						13.5	.1	37.7			51.7
W	.6	.4	.8					.1	8.9	.2	31.1		.1	62.0
WNW	.7	.4	1.5						14.2	.4	23.9		.1	65.2
NW	.3	.7	1.1					.1	23.0	1.8	20.6			60.7
NNW	.4	.3	1.3						22.5	1.7	14.8			66.2
VARIABLE														
CALM	1.0	1.0	2.9					.1	29.4	1.6	12.8			58.2
TOTAL	41.7	316	477				1	21	5622	469	6603		16	17182
% TOTAL	1.4	1.1	1.6				.0	.1	17.9	1.8	22.6		.1	58.8

TOTAL NUMBER OF OBSERVATIONS 29,199

NAVWEASERVCOM



Federal Building
New York, N. C.

B PRECIPITATION, SNOWFALL & SNOW DEPTH

Portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.

The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

60-80

YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	70.5	5.1	1.5	3.2	1.5	4.3	2.3	3.4	2.9	.3				19.4	662	2.87	11.57	.0
FEB	70.7	5.6	1.6	2.4	2.6	3.5	3.4	3.2	2.9	.5				20.1	622	2.86	13.79	.00
MAR	70.3	8.7	1.2	1.6	2.5	3.1	2.8	3.8	1.7					16.1	682	1.90	7.29	TRACE
APR	70.7	4.8	.7	2.6	1.2	2.7	1.2	1.2	.2					9.7	663	.66	4.23	.00
MAY	.1	1.3	1.7	1.2	.1	.6	.3	.1						3.7	692	.10	1.00	TRACE
JUN	7.7	25.6	.3	.8	.2	.5								1.7	630	.04	.26	.00
JUL	1.2	17.2	.1	.3		.1								.6	682	.01	.13	TRACE
AUG	.7	15.4	.3	.6	.3			.1						1.3	682	.06	1.04	.00
SEP	77.9	16.2	.3	1.7	.5	.5	.5	.2	.5					3.9	660	.36	4.08	TRACE
OCT	70.7	1.5	.7	1.8	.3	.9	.7	.1						4.5	682	.18	.74	TRACE
NOV	70.5	5.6	1.1	2.1	1.4	2.3	2.7	2.1	2.1					13.5	660	1.91	6.42	TRACE
DEC	70.7	4.4	1.2	3.4	2.1	2.8	1.9	2.3	1.5					15.1	662	1.57	5.73	.04
ANNUAL	7.7	11.7	.7	1.8	1.1	1.8	1.7	1.4	.9	.1				9.2	8006	12.52		

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION 101 PUEBLO MILITARY CALIFORNIA STATION NAME 101 YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	0.0	0.0													682	TRACE	TRACE	0.0
FEB	0.0	0.0													622	TRACE	TRACE	0.0
MAR	0.0	0.0													682	0.0	0.0	0.0
APR	0.0	0.0													650	0.0	0.0	0.0
MAY	0.0	0.0													642	0.0	0.0	0.0
JUN	0.0	0.0													630	0.0	0.0	0.0
JUL	0.0	0.0													642	0.0	0.0	0.0
AUG	0.0	0.0													642	0.0	0.0	0.0
SEP	0.0	0.0													640	0.0	0.0	0.0
OCT	0.0	0.0													642	0.0	0.0	0.0
NOV	0.0	0.0													640	0.0	0.0	0.0
DEC	0.0	0.0													642	0.0	0.0	0.0
ANNUAL	0.0	0.0													6006	0.0	X	X

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION

POINT MOUNT. CALIFORNIA

STATION NAME

62-51

YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	100.0														652			
FEB	100.0														672			
MAR	100.0														652			
APR	100.0														667			
MAY	100.0														672			
JUN	100.0														671			
JUL	100.0														612			
AUG	100.0														672			
SEP	100.0														660			
OCT	100.0														612			
NOV	100.0														660			
DEC	100.0														697			
ANNUAL	100.0														9606			

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

111 STATION 00017 MUGA, CALIFORNIA 62-87 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
61	.5	2.24	.18	.83	TRACE	TRACE	TRACE	TRACE	.01	TRACE	1.14	.27	2.24
62	.94	TRACE	.55	.23	TRACE	.01	TRACE	.02	.08	TRACE	1.63	.67	1.63
63	1.54	3.52	.59	TRACE	TRACE	.02	TRACE	TRACE	TRACE	.46	.01	.02	3.52
64	1.54	1.01	1.14	.23	.24	.19	TRACE	.03	.34	.30	.98	.09	1.41
65	.55	.0	.77	.34	.01	.11	TRACE	.07	TRACE	.21	.36	1.10	1.10
66	.14	.14	1.08	1.33	.01	TRACE	TRACE	TRACE	.04	TRACE	2.03	2.10	2.10
67	1.21	.55	TRACE	TRACE	.01	TRACE	TRACE	TRACE	.02	.02	1.02	.79	1.21
68	1.54	.12	.33	.65	.07	TRACE	TRACE	TRACE	.23	TRACE	2.23	.37	2.23
69	.47	.57	1.50	.31	TRACE	TRACE	TRACE	.02	TRACE	.52	.46	.21	1.50
70	2.29	1.27	.24	.47	.02	TRACE	.13	TRACE	.03	TRACE	1.53	.07	3.29
71	.24	1.37	.83	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	2.06	1.95	2.06
72	.29	.34	.22	.77	.13	TRACE	TRACE	.00	.03	.02	.15	1.26	1.26
73	.07	.11	.01	.01	.04	TRACE	TRACE	.01	.02	.39	.60	.73	.60
74	1.54	.97	.80	TRACE	TRACE	TRACE	TRACE	TRACE	.01	.13	.63	.76	1.54
75	2.10	.17	.66	.20	TRACE	TRACE	.02	TRACE	TRACE	.45	.05	1.19	2.10
76	.54	1.55	.77	.18	TRACE	TRACE	TRACE	TRACE	TRACE	.04	.07	.07	1.55
77	.00	.46	.39	.24	.01	.18	TRACE	TRACE	2.29	TRACE	.13	.75	2.29
78	1.37	.30	1.09	.00	.64	.01	.02	.98	.02	TRACE	.05	.54	1.37
79	1.14	1.94	1.57	.67	TRACE		TRACE	.03	1.03	.11	.89	.97	
80	2.76	.73	1.99	TRACE	TRACE	.04	TRACE	TRACE	.36	.07	2.16	1.21	2.76
81	1.71	2.82	1.72	.34	.37	.00	.01	.00	TRACE	TRACE	TRACE	.89	2.82
82	.97	1.14	.97	.14	.01	TRACE	TRACE	TRACE	.04	.22	.90	.34	1.19
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
00													
MEAN	1.13	1.3	.74	.32	.07	.05	.01	.04	.21	.13	.46	.75	1.03
S. D.	.944	.969	.567	.340	.154	.058	.024	.205	.520	.178	.769	.585	.730
TOTAL OBS.	682	622	682	660	682	630	682	682	660	682	660	682	4096

SMOS

EXTREME VALUES

211	POINT MUGO, CALIFORNIA
STATION	STATION NAME

63-64

YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

SMOS

EXTREME VALUES

STATION

65-57

YEARS

[illegible]

SMOS

EXTREME VALUES

STATION	STATION NAME	YEARS
111	POINT MUGO, CALIFORNIA	60-82

[illegible]

SMOS

EXTREME VALUES

STATION

65-52

YEARS

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

POINT MUGU, CALIFORNIA

1960-1982

STATION

STATION NAME

YEARS

JANUARY

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.04		1 1977			
2	1.34	34	1977			
3	0.32	8	1978			
4	1.16	29	1974			
5	2.76	70	1979			
6	1.19	30	1978			
7	2.15	55	1974			
8	0.78	20	1980			
9	1.13	29	1978			
10	0.73	19	1980			
11	1.44	37	1980			
12	0.51	13	1980			
13	1.49	38	1969			
14	1.05	27	1978			
15	1.28	33	1979			
16	1.59	40	1973			
17	1.30	8	1974			
18	1.31	33	1973			
19	1.29	34	1969			
20	1.56	40	1962			
21	0.69	18	1969			
22	0.73	19	1967	T	T	1962
23	0.93	24	1981	T	T	1962
24	0.13	54	1969			
25	1.22	31	1969			
26	0.94	24	1961			
27	0.48	11	1981			
28	1.71	43	1980			
29	0.27	7	1981			
30	1.21	31	1966			
31	1.02	26	1963			
Monthly	3.29	84	1969	T	T	1962

FEBRUARY

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.26	57	1960			
2	1.55	39	1975			
3	0.13	3	1973			
4	0.27	7	1973			
5	1.94	49	1978	T	T	1976
6	0.55	14	1966			
7	1.17	30	1962			
8	2.59	66	1962			
9	2.26	57	1962			
10	3.52	89	1962			
11	0.93	24	1973			
12	1.21	31	1978			
13	0.73	19	1979			
14	0.38	10	1980			
15	1.45	37	1980			
16	2.82	72	1980			
17	1.82	46	1980			
18	0.09	2	1969			
19	1.56	40	1962			
20	0.61	15	1980			
21	0.39	10	1962			
22	0.44	11	1979			
23	1.27	32	1969			
24	0.47	12	1973			
25	0.58	15	1969			
26	0.12	3	1969			
27	0.22	6	1973			
28	1.37	35	1970			
29	0.30	8	1960			
30						
31						
Monthly	3.52	89	1962	T	T	1976

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

POINT HUGO, CALIFORNIA

1960-1982

STATION

STATION NAME

YEARS

MARCH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.04	26	1978			
2	1.72	44	1980			
3	0.42	11	1983			
4	1.57	40	1979			
5	0.66	17	1980			
6	1.08	27	1965			
7	1.56	40	1968			
8	0.86	22	1968			
9	0.52	13	1978			
10	0.24	7	1969			
11	0.10	3	1978			
12	0.33	8	1967			
13	0.55	14	1968			
14	0.40	10	1982			
15	0.55	14	1961			
16	0.90	23	1982			
17	0.44	11	1982			
18	0.21	5	1979			
19	0.57	14	1981			
20	0.80	20	1973			
21	0.21	5	1978			
22	0.85	22	1978			
23	0.32	8	1964			
24	0.33	8	1977			
25	1.09	28	1977			
26	0.48	12	1979			
27	1.99	51	1979			
28	1.14	29	1963			
29	0.15	4	1982			
30	0.70	18	1978			
31	0.71	18	1978			
Monthly	1.99	51	1979			

APRIL

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.65	17	1982			
2	0.24	6	1965			
3	0.70	18	1965			
4	0.29	7	1965			
5	0.47	12	1969			
6	0.31	8	1978			
7	0.06	2	1967			
8	1.33	34	1965			
9	0.95	24	1965			
10	0.24	6	1967			
11	0.17	4	1967			
12	0.24	6	1976			
13	0.03	1	1976			
14	0.77	20	1971			
15	0.67	17	1978			
16	0.07	2	1975			
17	0.02	1	1971			
18	0.65	17	1967			
19	0.12	3	1967			
20	0.19	5	1983			
21	0.47	12	1967			
22	0.23	6	1961			
23	0.09	2	1967			
24	0.03	1	1975			
25	0.25	6	1963			
26	0.82	21	1967			
27	0.10	3	1960			
28	0.34	9	1980			
29	T	T	1967			
30	T	T	1968			
31						
Monthly	1.33	34	1965			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

POINT MUCU, CALIFORNIA

1960-1982

STATION

STATION NAME

YEARS

MAY

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.37		1980			
2	T	T	1981*			
3	T	T	1978*			
4	0.01		1964			
5	T	T	1980*			
6	0.04	1	1971			
7	0.11	3	1977			
8	0.64	16	1977			
9	0.28	7	1963			
10	0.02	1	1980			
11	T	T	1977*			
12	T	T	1981*			
13	T	T	1981*			
14	T	T	1975*			
15	T	T	1975*			
16	T	T	1976*			
17	T	T	1973*			
18	0.01		1965			
19	0.05	1	1972			
20	0.03	1	1980			
21	0.02	1	1980			
22	T	T	1982*			
23	0.02	1	1969			
24	0.01		1977			
25	T	T	1982*			
26	0.01		1966			
27	0.01		1971			
28	0.13	3	1971			
29	T	T	1975*			
30	T	T	1981*			
31	0.02	1	1969			
Monthly	0.64	16	1977			

JUNE

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	T	T	1981*			
2	T	T	1981*			
3	T	T	1974*			
4	T	T	1979*			
5	T	T	1979*			
6	0.04	1	1979			
7	T	T	1981*			
8	0.11	3	1964			
9	0.05	1	1976			
10	0.10	3	1976			
11	0.19	5	1963			
12	T	T	1979*			
13	0.02	1	1962			
14	T	T	1975*			
15	T	T	1975*			
16	T	T	1975*			
17	T	T	1972*			
18	T	T	1972*			
19	T	T	1965*			
20	0.01		1961			
21	T	T	1982*			
22	T	T	1982*			
23	T	T	1977*			
24	T	T	1977*			
25	T	T	1977*			
26	T	T	1977*			
27	T	T	1977*			
28	T	T	1973*			
29	T	T	1982*			
30	T	T	1974*			
31						
Monthly	0.19	5	1963			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

POINT HUGO, CALIFORNIA

1960-1982

STATION

STATION NAME

YEARS

JULY

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	T	T	1980*			
2	0.01		1980			
3	T	T	1967*			
4	T	T	1967			
5	T	T	1973*			
6	T	T	1973*			
7	T	T	1968			
8	T	T	1973*			
9	T	T	1978*			
10	0.02	1	1974			
11	0.18	3	1969			
12	T	T	1973			
13	T	T	1982*			
14	T	T	1974			
15	T	T	1976*			
16	T	T	1979*			
17	T	T	1979*			
18	T	T	1978*			
19	T	T	1981*			
20	T	T	1981*			
21	T	T	1980*			
22	T	T	1976*			
23	T	T	1978*			
24	T	T	1978*			
25	T	T	1979*			
26	T	T	1979*			
27	T	T	1979*			
28	T	T	1976*			
29	T	T	1977*			
30	T	T	1980*			
31	0.02	1	1977			
Monthly	0.18	3	1969			

AUGUST

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	T	T	1978*			
2	T	T	1978*			
3	T	T	1979*			
4	T	T	1975*			
5	0.01		1978			
6	T	T	1981*			
7	0.02	1	1968			
8	0.03	1	1963			
9	T	T	1978			
10	0.03	1	1978			
11	T	T	1978*			
12	0.01		1972			
13	T	T	1982*			
14	T	T	1973*			
15	T	T	1976*			
16	0.06	2	1977			
17	0.98	25	1977			
18	0.07	2	1964			
19	T	T	1981*			
20	T	T	1970*			
21	T	T	1975*			
22	T	T	1977*			
23	T	T	1982*			
24	T	T	1982			
25	T	T	1968			
26	T	T	1973*			
27						
28	T	T	1976			
29	T	T	1977*			
30	T	T	1981*			
31	T	T	1977*			
Monthly	0.98	25	1977			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

POINT MUGO, CALIFORNIA

1960-1982

STATION

STATION NAME

YEARS

SEPTEMBER MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	T	T	1980*			
2	T	T	1980*			
3	0.02		1 1972			
4	0.39	10	1963			
5	1.03	26	1978			
6	0.14	4	1978			
7	T	T	1972			
8	T	T	1981*			
9	T	T	1981*			
10	0.66	17	1975			
11	0.07	2	1976			
12	T	T	1974*			
13	T	T	1980*			
14	0.01		1973*			
15	0.04	1	1976			
16	0.09	2	1961			
17	T	T	1978*			
18	0.05	1	1963			
19	0.12	3	1963			
20	T	T	1981*			
21	T	T	1981			
22	T	T	1981*			
23	0.04	1	1967			
24	0.03	1	1967			
25	T	T	1981*			
26	0.02	1	1977			
27	T	T	1981*			
28	0.29	59	1976			
29	1.92	49	1976			
30	0.09	2	1981			
31						
Monthly	0.21	56	1976			

OCTOBER MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.05	1	1981			
2	0.02	1	1968			
3	0.02	1	1968			
4	T	T	1978*			
5	0.02	1	1966			
6	T	T	1980*			
7	0.05	1	1973			
8	0.13	3	1973			
9	T	T	1987			
10	0.02	1	1975			
11	0.03	1	1975			
12	T	T	1971			
13	0.11	3	1968			
14	0.52	13	1969			
15	0.30	8	1963			
16	0.28	7	1963			
17	T	T	1973*			
18	T	T	1977*			
19	0.06	2	1979			
20	0.11	3	1979			
21	T	T	1977*			
22	0.01		1973			
23	0.04	1	1973			
24	0.02	1	1971			
25	T	T	1979			
26	T	T	1979*			
27	0.20	5	1964			
28	0.45	11	1974			
29	0.21	5	1964			
30	0.04	1	1975			
31	0.01		1974			
Monthly	0.52	13	1968			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

POINT MUGO, CALIFORNIA

1960-1982

STATION

STATION NAME

YEARS

NOVEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	T	T	1964*			
2	0.01		1962			
3	0.32	10	1960			
4	0.08	2	1972			
5	1.14	29	1960			
6	1.53	39	1969			
7	2.14	55	1979			
8	.15	4	1964			
9	0.34	9	1964			
10	0.25	7	1964			
11	0.27	7	1978			
12	.14	4	1960			
13	0.37	9	1978			
14	1.14	30	1965			
15	0.22	25	1963			
16	0.03	52	1965			
17	0.72	18	1972			
18	0.34	20	1967			
19	1.64	43	1967			
20	1.63	41	1961			
21	0.23	57	1967			
22	1.44	38	1965			
23	0.04	2	1965			
24	0.59	15	1965			
25	1.23	31	1961			
26	1.02	26	1960			
27	0.20	23	1981			
28	1.72	34	1970			
29	2.06	52	1970			
30	0.64	17	1982			
31						
Monthly	2.23	57	1967			

DECEMBER
MONTH

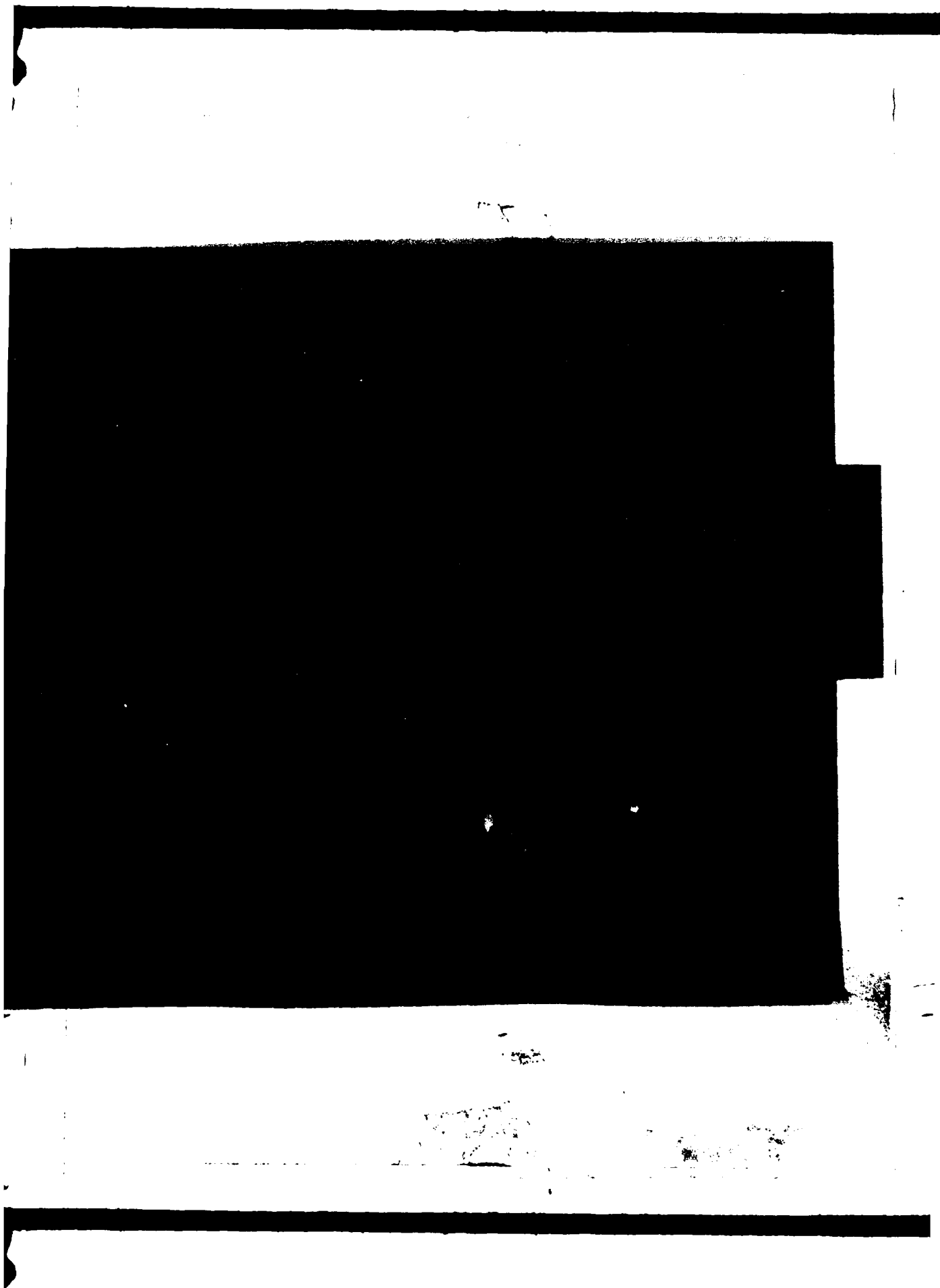
DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.76	19	1973			
2	0.73	19	1966			
3	1.06	27	1974			
4	1.19	30	1974			
5	0.79	20	1966			
6	0.30	4	1966			
7	0.06	2	1972*			
8	0.07	2	1972*			
9	0.09	2	1963			
10	0.18	5	1968			
11	0.07	2	1965			
12	0.20	5	1971			
13	0.04	1	1961			
14	0.18	5	1965			
15	0.07	2	1968			
16	0.25	6	1970			
17	0.42	11	1978			
18	1.95	50	1970			
19	1.10	28	1964			
20	0.74	19	1964			
21	0.61	15	1970			
22	1.09	29	1971			
23	0.26	7	1971			
24	1.21	31	1979			
25	0.51	13	1971			
26	0.59	15	1977			
27	1.26	32	1971			
28	1.11	28	1974			
29	2.18	55	1965			
30	0.75	19	1976			
31	0.05	1	1976			
Monthly	2.18	55	1965			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMDS



1000, Federal Building
Shreveville, N. C.

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION

POINT MUD, CALIFORNIA

STATION NAME

60-61

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	30W	47W	42W	50W	44W	25SE	33SE	25SE	25W	35SE	48NE	50	FE 58
2	34NE	49NW	39W	42W	37SE	21SE	28SE	24WNW	19ENE	33ENE	36NE	47	FE 58
3	61NE	47W	47W	33W	31WSW	22WSW	20SSE	21WSW	18W	34W	28N	31	FE 61
4	47N	32SE	42W	36W	31W	23W	20SSE	20ESE	19NE	29NE	31ENE	36	NE 43
5	34NE	46W	43W	51W	34W	29W	21S	18SSE	22S	30W	30SE	37	W 50
6	27NE	35WSW	36WNW	32W	33W	29WNW	21SSE	21NE	37NE	33SE	39NE	31	SE 74
7	47NE	39NE	41W	31W	24S	27W	20S	23SE	32ENE	41ENE	33WNW	34	NE 47
8	43NE	43W	32W	35NE	37W	21SSE	27W	19SE	27ENE	43WNW	32ENE	41	ENE 43
9	31NE	24SE	32ENE	37W	24WNW	28SSE	22W	24NE	31NE	27ENE	35ENE	40	ENE 47
10	34NE	35ENE	39W	33WNW	31W	21NE	26SE	21W	19ENE	40ENE	41NNW	31	ENE 41
11	33ENE	49NE	37W	43ENE	29W	21W	22W	19NE	40NE	41SE	47S	41	ENE 49
12	3427	4227	3327	3627	2727	1927	1827	2027	3027	3027	3814	41	14 41
13	4506	3427	2429	3416	2718	2115	2627	2015	1817	3016	3905	44	06 45
14	3627	3328	3328	3427	2628	2515	2327	2005	2405	3027	3401	27	16 74
15	3405	3013	2726	3327	3309	27WNW	2027	1414	1629	2827	2314	37	05 74
16	305	2527	3027	2827	3108	2412	2715	1427	1427	2905	2026	20	27 75
17	329	2727	2827	3727	1716	1814	1725	1714	2404	3507	4506	20	07 45
18	4527	2407	4227	2728	3729	1913	2417	1825	1929	1707	2606	37	09 45
19	3214	4013	3529	3104	2429	2127	2014	1805	3505	3437	3629	36	14 63
20	4105	4129	3427	3227	3927	2217	2023	2018	1827	2616	2716	34	12 41
21	3115	3429	3105	4128	3918	2515	2412	2014	2404	4207	3600	34	04 42
22	2706	4328	3737	3028	2006	3514	2427	1608	3403	3430	3230	26	06 43
23													
24													
25													
26													
27													
28													
29													
30													
31													
MEAN	3.7	37.3	36.4	35.7	31.4	23.8	22.9	19.8	25.2	32.7	35.5	36.5	44.8
S.D.	1.124	7.067	5.315	6.175	5.924	4.117	3.796	2.904	7.750	6.212	7.731	7.249	6.450
TOTAL OBS.	621	621	680	658	679	656	679	679	659	678	658	661	8008

SMOS

EXTREME VALUES

11
STATION

6-339

STATION NAME

YEARS

[illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

111
STATION

POINT MUEL, CALIFORNIA
STATION NAME

73-82
YEARS

JAN
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	7.1	.6									17.1	3.5
NNE	7.7	1.8	2.7									16.7	4.2
NE	1.2	3.5	4.2	2.3	.5							15.6	6.5
ENE	2.3	1.6	2.5	2.3	1.0							10.7	8.5
E	1.6	1.3	1.7	.3								4.2	5.3
ESE		.7		.3								.6	8.7
SE		1.7	.7									1.6	5.6
SSE		1.7	.6									1.9	5.5
S	1.7	.3	.3		.3							2.3	5.9
SSW													
SW	.1		.1									1.7	5.2
WSW	.7	.2										.4	4.5
W	.7	.5	.3	1.7	.3							2.7	9.1
WNW		.7	.3									.4	5.5
NW	.7	.6		.3								1.3	6.3
NNW	2.3	1.7		.3								4.5	3.6
VARBL													
CALM												16.4	
	31.4	26.5	14.5	6.8	2.3							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

111
STATION

POINT MUGU, CALIFORNIA
STATION NAME

73-82
YEARS

JAN

MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	12.7	6.8	1.6									21.3	3.5
NNE	2.4	2.9	1.6	.3								14.2	3.5
NE	5.5	3.9	1.9	2.6	.3	.6						14.8	6.7
ENE	1.3	.6	3.2	3.9	.3							10.3	9.5
E	1.5	.6	.6	1.0		.3						4.2	7.2
ESE													
SE	.5	.6	1.0	.3								2.6	6.9
SSE	.6	.3	.3	.2								1.6	6.8
S	.1	.2	.2	.3								1.3	7.5
SSW													
SW			.2									.3	8.0
WSW	.1	.3	.4									1.6	5.6
W	.6		.3		.3							1.3	3.8
WNW	1.6	.3	1.0	.6	.3							3.4	7.3
NW	.4	.5		.3								1.4	5.8
NNW	1.3	2.1										4.2	3.5
VARBL													
CALM												16.4	
	34.1	20.2	12.4	9.7	1.3	1.0						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 111 STATION NAME POINT MUGU, CALIFORNIA YEARS 73-92 MONTH JAN
CLASS ALL WEATHER HOURS (L.S.T.) 07
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	11.7	5.1	.3									20.3	3.4
NNE	2.7	7.4	1.6									17.7	3.9
NE	5.8	2.9	1.4	2.9	.3	.6						14.5	7.3
ENE	3.5	1.3	2.0	4.8	.6							12.9	9.2
E	2.3	1.9	1.7	.3								5.5	5.0
ESE	.6		.3	.3								1.3	5.8
SE	.7	.3	.3									1.3	4.7
SSE		.3	.3	.3								1.0	9.7
S	.3	.3	.3	.3								1.3	7.8
SSW		1.0		.3								1.3	7.3
SW													
WSW													
W			.3	.6								1.0	11.7
WNW	.4	.3	.3			.7						1.3	9.8
NW	.3	.6										1.0	4.0
NNW	2.6	3.2	.3									6.1	3.8
VARBL													
CALM												13.0	
	30.3	27.4	10.0	10.0	1.0	1.0						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION POINT MUGU, CALIFORNIA YEARS 73-72 MONTH JAN
STATION NAME ALL WEATHER CLASS 10
CONDITION 10 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	4.9	.7									10.4	3.2
NNE	5.3	4.2	2.6	.6	.3							13.6	5.1
NE	7.1	5.2	1.0	4.9	1.6	.3						16.5	8.7
ENE	2.5	.6	3.6	4.2	.6							11.3	5.6
E	1.0	.3	1.3	1.9	.6							5.2	10.4
ESE	.7	.4	1.3	1.0								3.2	1.3
SE	.1	.3	.6									1.3	6.3
SSE	1.7	1.6	.6		.3							3.6	6.0
S	1.6	.4	.3									2.6	3.5
SSW		.1	.3		.3							1.7	10.3
SW				.1								.1	11.5
WSW	.4	.6										1.3	3.5
W	.5		1.0	1.6	.3	.3						3.2	11.1
WNW	1.6		.3	1.3								3.2	6.6
NW	1.7	1.7										1.9	3.3
NNW	1.7	1.3										2.9	3.4
VARBL													
CALM												18.4	
	21.2	22.0	13.3	15.2	4.2	.4						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 109

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0111 STATION NAME POINT MUGN, CALIFORNIA YEARS 73-82

ALL WEATHER

CLASS

CONDITION

JAN NORTH 17 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.3	.3	.3	1.0								1.7	9.9
NE		.3	2.3	3.5	1.3	.3						7.7	13.3
ENE	.3		1.0	3.2		.6						6.1	12.5
E			.6	.6		.3						1.5	12.2
ESE	.6	.3	.6	.3								1.9	6.3
SE	.3	1.0	1.3	1.0	.6							4.2	9.9
SSE	.3	3.5	2.6		.3							6.8	7.3
S	1.0	4.5	5.2	.6								12.3	6.3
SSW	1.3	4.3	2.9									9.7	5.5
SW	1.9	5.2	.3		.3							7.7	5.1
WSW	1.0	2.9	1.6									6.1	5.2
W	1.3	9.7	7.4	2.6	1.6							22.6	7.6
WNW	1.3	2.6	1.6	1.0	.6	.3						7.4	8.2
NW	.3	.6	.6	.3								1.9	7.8
NNW	.3	1.0	.3									1.6	5.2
VARBL													
CALM												1.0	
	11.7	36.6	29.7	14.2	4.8	1.6						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0111 POINT MUGU, CALIFORNIA 73-92 YEARS JAN
STATION NAME MONTH
ALL WEATHER CLASS 14
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3											.3	2.0
NNE	.3	.6	.6									1.9	3.3
NE	.3	1.3	2.9	2.9	1.3	.3						9.4	10.6
ENE		1.3	1.3	1.6	.3	.3						4.5	11.3
E			.3									.3	10.0
ESE			.6			.3						1.0	13.7
SE		.3	1.3	.3								1.3	6.3
SSE		1.9	1.6	.6								4.2	7.2
S	1.4	3.5	2.9	.3	.6							9.0	6.8
SSW	1.9	5.5	.3	.3								9.0	4.4
SW	1.3	1.9	.3									3.2	4.1
WSW	2.3	1.4	1.3	.3								5.5	4.9
W	4.3	11.0	5.2	2.9	2.6							26.5	7.2
WNW	1.3	4.2	7.4	1.0	.6	.3						15.5	7.5
NW	1.4	.6	.6	.3								3.2	4.9
NNW													
VARBL													
CALM												4.2	
	11.1	33.1	26.5	10.6	5.5	1.3						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 210

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

111
STATION

POINT MUGU, CALIFORNIA
STATION NAME

71-82
YEARS

JAN
MONTH

ALL WEATHER

CLASS

19

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	1.0	.2									6.5	3.3
NNE	2.0	1.3	.7	.6								4.9	4.7
NE	3.2	4.5	1.0	1.6	.3							12.3	6.1
ENE	3.2	.3	1.6	2.6	.3							8.7	7.4
E	1.7	1.7	.6									2.9	4.6
ESE	.6		.3									1.0	3.7
SE	1.9	1.0	1.7		.3							4.5	5.6
SSE	.4	1.3	.6	.3								2.9	6.2
S	1.6	1.6										3.2	3.3
SSW	1.9	.3	.4									2.9	3.9
SW	1.6	.3										1.9	2.8
WSW	.2			.2								.5	7.5
W	1.7	.4	2.6	1.0	.3	.3						5.1	8.8
WNW	1.6	1.3	1.6	1.6	.6							6.6	8.7
NW	2.6	1.3	.6									4.5	4.0
NNW	3.2	1.9										5.9	2.8
VARB.													
CALM												25.5	
	33.2	12.1	12.6	8.1	1.9	.3						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

310

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

111 STATION POINT MUGO, CALIFORNIA 73-42 YEARS JAN MONTH 22 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	0.1	1.0									10.1	3.0
NNE	0.0	0.1	0.0	0.0								10.0	3.0
NE	0.0	0.0	0.0	0.0		0.0						10.0	3.0
ENE	0.0	0.0	0.0	0.0	0.0							10.0	3.0
E	0.0		0.0	0.0								10.0	3.0
ESE			0.0									10.0	3.0
SE	0.0	0.0	0.0									10.0	3.0
SSE	0.0	0.0	0.0	0.0								10.0	3.0
S	0.0		0.0		0.0	0.0						10.0	3.0
SSW				0.0								10.0	3.0
SW					0.0							10.0	3.0
WSW			0.0	0.0								10.0	3.0
W	0.0	0.0	0.0	0.0								10.0	3.0
WNW	0.0	0.0	0.0	0.0	0.0							10.0	3.0
NW	0.0	0.0	0.0									10.0	3.0
NNW	0.0	0.0										10.0	3.0
VARBL													
CALM												10.0	
	52.0	24.2	14.0	7.4	1.6	1.0						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11 STATION POINT MUGU, CALIFORNIA 73-42 YEARS JAN MONTH ALL HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	4.3	.5									11.5	3.4
NNE	1.1	3.7	1.7	.4	.7							10.8	4.6
NE	3.5	3.1	2.3	2.7	.7	.4						12.7	7.8
ENE	2.1	.7	2.5	3.1	.5	.1						9.1	4.3
E	1.7	.5	.7	.6	.1	.1						3.4	6.9
ESE	.3	.2	.5	.2	.1	.1						1.3	7.5
SE	.6	.7	.8	.2	.1							2.4	6.8
SSE	.4	1.5	.9	.2	.1							3.0	6.8
S	1.3	1.4	1.3	.2	.2	.7						4.4	6.1
SSW	.8	1.5	.5	.2	.0							3.0	5.4
SW	.6	.9	.2	.7	.1							1.9	5.0
WSW	.7	.2	.5	.1								2.1	5.3
W	1.3	2.9	2.3	1.3	.7	.1						6.4	7.9
WNW	1.2	1.2	1.7	.7	.3	.1						5.2	7.8
NW	1.1	.6	.3	.2								2.4	4.7
NNW	2.1	1.7	.1	.0								3.9	3.4
VARB.													
CALM												14.5	
	2.8	26.1	16.9	10.2	2.8	.8						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 2479

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION POINT HUGO, CALIFORNIA 73-22 YEARS FEB MONTH 01 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	4.3	.4	.4								13.0	3.5
NNE	5.7	7.4		.4								13.5	3.9
NE	2.1	3.7	7.0	1.1								10.7	4.3
ENE	1.1	.7	.4	2.1		.4						6.4	7.4
E	2.1	.7	1.4									4.4	4.4
ESE	1.1				.4							1.4	6.3
SE	.4	.4	1.4	.4								2.4	7.7
SSE	.4	1.4	.4									2.4	5.0
S		1.4		.7								2.1	7.3
SSW		1.1		.4	.4							1.4	9.4
SW													
WSW		.4	.4									.7	6.5
W		1.1	1.4	.4								2.4	7.6
WNW		1.1		.7								1.4	7.8
NW	3.4	1.4										5.0	2.4
NNW	3.4	2.1	.7									6.4	3.7
VARBL													
CALM												23.0	
	31.7	22.1	9.3	5.4	.7	.4						100.7	7.9

TOTAL NUMBER OF OBSERVATIONS 221

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11 STATION POINT MUD, CALIFORNIA 73-42 YEARS
STATION NAME CLASS ALL WEATHER MONTH 04
CONDITON HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.1										13.1	3.2
NNE	7.4	3.9	.7	.4								13.1	3.4
NE	7.4	5.3	2.1	1.4			.4					18.7	5.3
ENE	4.6	1.8	1.4	2.1		.4						18.7	6.3
E	7.1	1.4	1.1									4.6	4.1
ESE		.4	1.4									1.8	7.6
SE			.7	.4								.7	10.5
SSE	.4		.4		.4							1.1	10.7
S	.7			.4	.4							1.0	8.8
SSW	.4	.4	.4									1.1	4.7
SW	.4		.4									.7	5.9
WSW	.7	.4										1.1	3.3
W		.4		.4								.7	9.1
WNW				1.1								1.1	14.0
NW	1.1	.4										1.4	2.0
NNW	2.1	3.9	.4									7.1	3.4
VARBL													
CALM												32.7	
	3.3	22.7	8.9	6.0	.7	.4	.4					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11 STATION NAME WHITE MOUNTAIN, CALIFORNIA YEARS 1950-1951
CLASS ALL WEATHER MONTH 7
HOURS (LST) 7
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.7	1.0									1.0	1.0
NNE	0.0	0.0	1.0									1.0	1.0
NE	0.0	2.0	2.0	1.0	0.4							12.4	2.7
ENE	1.0	1.0	2.0	2.0	0.4							8.4	1.3
E	1.0	0.0	0.7									3.7	4.2
ESE	0.0		0.0	0.4								1.4	1.4
SE			0.0	0.7								1.4	11.5
SSE		0.0										0.4	4.0
S	1.0	0.4		0.4								1.0	4.6
SSW	0.0		0.0									0.0	1.0
SW			0.0	0.4								0.4	11.0
WSW	0.0	0.0										1.0	2.7
W	0.0			0.4			0.4					1.0	11.3
WNW	1.0	0.4	0.4									2.0	3.0
NW	1.0	0.0										1.0	3.4
NNW	1.0	2.0										7.4	1.2
VARBL													
CALM												10.0	
	2.0	2.0	1.0	5.7	0.7		0.4					110.0	3.0

TOTAL NUMBER OF OBSERVATIONS 212

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11 STATION NAME POINT MUD, CALIFORNIA YEARS 73-82 MONTH FEB
CLASS ALL WEATHER HOURS (L.S.T.) 10
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.7									5.7	3.3
NNE	.7	.7	.7	.7								9.6	4.1
NE	.7	.7	.7	.7	.4	.4	.4					13.6	9.2
ENE	.7	.4	.7	.7	.7							8.9	9.2
E	.7	.4	.7	.7								5.7	6.6
ESE		.7	.7	.7								3.5	5.2
SE	.7	.4	.7	.7								2.5	6.9
SSE	.7	.7	.7	.7								7.1	5.5
S	.7	.7	.7		.4							7.1	5.1
SSW	.4	.4	.4	.4								1.4	7.5
SW	.7	.7	.7	.4								2.4	6.4
WSW	.7	.7	.4									2.5	5.6
W	.7	.7	.7		.4							4.6	6.2
WNW	.7	.7	.7									3.2	4.7
NW	.7	.7	.4									3.9	3.4
NNW	.7	.4										2.6	3.0
VARBL													
CALM												15.6	
	22.1	25.2	16.6	11.3	3.1	.4	.4					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 292

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0111 PRIME HOOK, CALIFORNIA 75-12 YEARS
STATION NAME CLASS ALL WEATHER MONTH NORTH 17 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4											.4	3.0
NNE		.4	.7	.7								1.7	9.2
NE		.7	1.4	3.9								6.4	11.8
ENE		1.1	.4	1.8	.7							3.9	11.4
E			1.1	.7								1.4	10.4
ESE		.4		1.1								1.4	11.5
SE	1.1		1.4	2.5								5.3	9.3
SSE		1.4	3.4	1.8								6.7	8.7
S	1.1	4.3	5.7	1.4	.7							12.4	7.8
SSW	1.4	7.4	2.7	.4								12.4	5.6
SW	.7	3.5	1.3									6.3	5.4
WSW	1.4	2.8	2.5	1.1								7.4	6.8
W	1.1	6.7	12.8	3.9	.4							25.7	9.1
WNW	.7	.4	2.4	3.5		.4						7.8	10.2
NW		.4	.7									1.1	8.0
NNW													
VARBL													
CALM												.4	
	.4	21.4	37.6	22.7	1.8	.4						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 262

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

0111	POINT MUGO, CALIFORNIA	73-77	1973
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			16
CLASS			HOURS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.4										.7	4.7
NNE			1.1									1.1	7.3
NE	.4	.4	1.1	1.4	.7							3.6	11.5
ENE			.4	1.1								1.4	11.5
E		.7										.7	5.5
ESE	.4	.4			.4							1.1	7.7
SE	.4	.4	.7	1.4								2.4	9.3
SSE	.4	1.1	2.5	.4		.4						5.7	8.2
S	1.4	3.5	3.2	.7	.4							9.2	7.2
SSW	1.1	1.1	1.1		.4							4.6	5.6
SW	1.4	3.2	1.1									5.7	4.8
WSW	2.4	3.2	1.1									7.1	4.4
W	3.5	15.2	17.6	5.0	2.5							46.5	7.8
WNW	1.1	2.5	17.6	1.4								15.6	8.2
NW	.4	.4	.4									1.1	5.7
NNW		.4										.4	5.0
VARBL													
CALM												1.1	
	14.7	33.3	34.7	11.3	4.3	.4						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 242

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

0111
STATION

POINT MUDU, CALIFORNIA
STATION NAME

73-62
YEARS

FE
MORTH

ALL WEATHER
CLASS

17
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0		.4									3.2	2.4
NNE	.0	.4										2.8	2.3
NE	.0	1.1	2.1	.7	.4							6.7	6.7
ENE	1.4	.7	1.4	1.1	.4							5.0	7.5
E	.7		.4									1.1	4.0
ESE	1.4		.7	.4								2.4	5.4
SE	.7	1.1	.4		.4							2.5	6.9
SSE	.4	.7	1.1	.4	.4							2.8	8.1
S		1.0	1.4	1.1								4.3	2.5
SSW	.7	.7	1.1									2.5	6.0
SW	.7	.7										1.4	3.8
WSW	1.1	1.1										2.1	3.4
W	1.4	2.2	2.9	3.5	.7							11.7	8.6
WNW	5.0	3.6	.7	3.2	.4							12.0	6.3
NW	2.9	1.4										5.3	2.9
NNW	2.1	2.1	.4									4.6	4.3
VARBL													
CALM												28.7	
	27.3	10.4	12.0	10.3	2.5							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

202

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1111	POINT MUGU, CALIFORNIA	73-82	FEB
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			22
CLASS			HOURS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.7	4.6	.4									10.4	3.2
NNE	5.5	1.2	.7									9.9	3.2
NE	3.5	4.6	2.1	.7	.4							11.3	5.5
ENE	2.5	2.1	1.8	.7	.7							7.9	6.7
E	1.4	.4	.7									2.8	3.8
ESE	.4	.4	.7	.7	.4							2.8	11.1
SE	.4	1.4		.7								2.8	7.6
SSE	.4		.7		.4							1.4	10.8
S	.4	.4	.7	1.1								2.5	5.4
SSW		.4										.4	6.0
SW	.4	.4	1.4									2.1	6.5
WSW				.4								.4	11.7
W	1.1	1.4	1.1	1.1	.4							5.2	7.6
WNW	5.2	1.4	.7									5.7	3.6
NW	4.3	.7										4.6	2.4
NNW	2.5	3.2	.7			.4						9.2	4.4
VARBL													
CALM												21.6	
	34.1	24.1	11.7	5.3	2.1	.4						100.4	4.1

TOTAL NUMBER OF OBSERVATIONS 292

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1911 STATION POINT MUGL, CALIFORNIA 73-02 YEARS
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.7	2.4	.4	.0								7.4	3.3
NNE	4.7	3.5	.6	.3								9.0	3.9
NE	2.1	2.0	2.1	1.8	.3	.0	.1					10.2	7.1
ENE	2.1	1.0	1.3	1.7	.4	.1						6.6	7.4
E	1.4	.5	1.0	.2								3.1	5.2
ESE	.4	.4	.6	.4	.1							2.0	5.3
SE	.4	.4	.6	.8	.0							2.5	5.5
SSE	.7	1.3	1.3	.4	.1	.0						3.5	7.7
S	.0	2.0	1.4	.7	.2							5.1	7.2
SSW	.7	1.4	.0	.1	.1							3.1	6.0
SW	.4	1.1	.6	.1								2.6	5.5
WSW	.0	1.2	.5	.2								2.6	5.1
W	1.2	3.7	3.7	1.8	.5		.0					11.0	7.9
WNW	1.6	1.3	2.0	1.2	.0	.0						6.2	7.2
NW	2.1	.0	.2									3.0	3.2
NNW	2.4	2.0	.3			.0						4.7	3.8
VARBL													
CALM												16.7	
	21.7	25.5	17.6	9.9	1.9	.3	.1					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 2255

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0111 STATION NAME POINT MUGG, CALIFORNIA YEARS 73-82
CLASS ALL WEATHER MONTH 01 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.7	5.5										14.2	3.1
NNE	4.2	3.5	.7									9.4	3.5
NE	4.2	1.0	.7		.3							5.8	3.5
ENE	4.5		.6	.6								5.8	3.9
E	1.0	1.0	.4									3.2	4.5
ESE	.7	1.0	.7	1.7								2.6	9.0
SE	1.0	.3	.6	.3		.7						2.6	8.0
SSE	.5	.3	.3	.6								1.9	7.5
S	1.0		.7									1.7	3.8
SSW			.6									.6	9.0
SW	.5		.5	.3								1.5	6.4
WSW	.3	1.0	.3									1.0	4.8
W	.3	1.6	1.3	1.0								4.2	7.7
WNW	1.7	1.3	3.6	1.0								7.1	7.2
NW	1.6	.5	.7	.3								2.7	5.1
NNW	4.5	.3										4.5	2.1
VARBL													
CALM													
	34.4	17.4	10.7	5.5	.3	.3						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11 STATION NAME POINT MUGO, CALIFORNIA YEARS 73-82 MONTH 04
CLASS ALL WEATHER
COMPUTER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	4.5	.3									13.5	2.9
NNE	7.7	5.2	1.0									13.9	3.4
NE	4.4	2.6	1.7	.3	.3							13.5	3.8
ENE	3.0	1.3	.3	.3								5.8	3.7
E	2.3	1.6										3.9	3.1
ESE		.7	.3	.6								1.3	2.5
SE	.6	1.3			.3	.3						2.6	8.3
SSE	.5	.3		.6								1.6	6.6
S	.6	.6	.3	.3								1.9	5.3
SSW	.5	.6	.3									1.7	5.3
SW	.5	.3		.6								1.6	6.6
WSW													
W	.3	1.3	1.6	.3	.3							3.9	7.8
WNW	.3	1.6	1.3	.3								3.5	6.6
NW	1.7	1.7	.3									2.7	4.0
NNW	2.4	1.3										3.9	3.0
VARBL													
CALM												25.5	
	59.0	23.2	6.4	3.5	1.0	.7						100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0111 POINT MUGG, CALIFORNIA 73-42 YEARS
STATION NAME CLASS ALL WEATHER
CONDITION

MAE NORTH 07 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	14.7	6.5	.7									11.4	3.0
NNE	7.1	4.5	1.7									13.5	3.8
NE	1.5	3.2			.5							10.6	3.6
ENE	1.4	1.3	.6	1.3	.3							5.5	7.1
E	2.3	.6	.6	.6								4.7	5.0
ESE	.7				.3							.6	10.0
SE		.7	.6	1.3								2.3	11.4
SSE	.6	.3	.3									1.7	4.5
S	.3	.5	.6	.3								1.7	7.7
SSW	.7	.3										.7	4.5
SW	.6	.3										1.0	3.7
WSW	.7		.7									1.0	4.0
W	.7	.3	1.6	1.9								4.7	7.5
WNW	1.4	.3	1.7									2.0	4.5
NW	1.0	.3	.6									1.4	4.5
NNW	2.3	1.3										3.7	3.2
VARBL													
CALM												23.5	
	41.3	21.0	7.7	5.5	1.0							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 210

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 111 POINT MUGO, CALIFORNIA 73-72 YEARS 1973
STATION NAME POINT MUGO, CALIFORNIA CLASS ALL WEATHER HOURS (1.5 Y.) 17
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.3	.3									1.8	3.7
NNE	.6	1.7	.3									1.8	5.2
NE	1.6	.3	1.3	1.9								4.5	9.5
ENE	1.6	.3	1.7	1.0	.3	.7						4.8	9.7
E	1.6	.6	1.7	.6								3.0	5.6
ESE		.3	.6	.6								1.6	10.0
SE	.6	1.7	1.9	1.6								5.2	8.1
SSE	.6	1.2	4.7	.6	.3							9.7	7.4
S	2.4	6.9	1.7	.6								11.0	5.2
SSW	1.6	2.3	.3									4.5	3.7
SW	1.6	.7										2.3	3.0
WSW	1.3	1.6	1.7	.3								5.2	4.7
W	1.2	7.4	8.4	2.9								21.7	7.3
WNW	1.6	.6	1.6	1.3	.3	.3						6.1	9.3
NW	1.6	.3	.7									1.9	3.5
NNW	1.6	.6										4.5	2.4
VARBL													
CALM												9.4	
	26.5	27.4	24.6	11.6	1.0	.7						110.0	5.4

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

111	POINT MUD, CALIFORNIA	73-12	44
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			17
CLASS			HOURS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.6										1.3	3.3
NNE			.7	.7	.3							1.7	13.7
NE		.7	.6	1.6	.3							2.3	11.0
ENE				.3								.7	15.0
E		.7		.3								.6	9.5
ESE			1.7	.5								1.6	10.6
SE		.6	2.7	2.3	.3							6.1	10.2
SSE	.7	1.6	1.6	1.3								4.7	7.9
S		3.6	5.2	1.3								10.3	7.7
SSW	.7	4.2	1.6	.3								6.5	6.1
SW	.7	4.2	3.6									8.4	6.5
WSW	1.7	4.7	5.2	.3								11.7	6.5
W	1.7	7.4	16.5	10.6	.3	.7						36.1	9.7
WNW		1.7	1.3	2.3	.6	.4						5.7	13.1
NW		.7										.3	5.5
NNW			.7									.3	4.5
VARBL													
CALM												.7	
	1.2	22.0	41.0	21.6	1.9	1.7						100.1	6.8

TOTAL NUMBER OF OBSERVATIONS 710

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0111 POINT MUGU, CALIFORNIA YEAR 1951
STATION NAME MONTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.5										.1	.1
NNE		.5										.1	.1
NE													
ENE		.5	.3	.6								1.4	.3
E		.1										.1	.1
ESE		.1	.6	.6								1.3	1.3
SE		.1	1.3	1.6								2.0	1.4
SSE	.3	.3	2.3	1.7								3.6	2.7
S	1.3	2.3	2.3	.6								6.5	2.6
SSW	1.7	1.7	.6									3.6	2.4
SW	.1	2.9	1.1									5.1	2.4
WSW	1.1	.1	3.9		.3							13.7	3.6
W	1.6	8.7	19.1	12.8	3.2	.4						45.7	7.9
WNW	.7	1.6	4.5	3.6	1.3	.7						11.7	3.8
NW	.2	.3	.3									1.0	.3
NNW	.1											.1	.1
VARBL													
CALM												1.3	
	.1	10.4	36.2	19.4	4.9	1.7						10.7	4.4

TOTAL NUMBER OF OBSERVATIONS 74

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

POINT HORN, CALIFORNIA

STATION NAME

77-72

YEARS

MONTH

10

HOURS (LST)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.0
NNE	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	3.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	4.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0
ESE	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.6
SE	.0	.6	.0	.3	.3	.0	.0	.0	.0	.0	.0	1.0	5.3
SSE	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	6.7
S	.3	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	5.7
SSW	1.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	3.7
SW	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.5
WSW	1.0	1.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	3.0	4.4
W	.5	.5	.5	.5	1.3	.0	.0	.0	.0	.0	.0	23.3	3.6
WNW	.0	.4	.5	.2	1.3	.0	.0	.0	.0	.0	.0	20.7	3.3
NW	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	2.7
NNW	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	3.4
VARBL													
CALM												11.7	
	26.4	22.0	17.5	9.4	1.9	.1	.0	.0	.0	.0	.0	100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: POINT MUGO, CALIFORNIA STATION NAME: POINT MUGO YEARS: 1961-62 MONTH: 12
CLASS: ALL WEATHER HOURS (L S T): 00
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.7										10.7	2.1
NNE	.7	2.7	1.0									7.7	2.1
NE	.4	1.0	.7		.7							7.1	4.0
ENE	1.0	.7		.7								2.0	7.0
E	.7	.7	.7	.7								7.0	7.0
ESE	.7	.7	.7	.7								2.8	1.0
SE	.7	1.0	1.0	.6								4.7	6.6
SSE	.7	.7	.4	.7								1.7	7.3
S	.7	1.0	1.0	.3								2.7	3.0
SSW													
SW													
WSW	.7		.7									.7	4.7
W	1.0	1.0	.4	2.3								10.7	.7
WNW	.7	.7	.4	2.3								13.7	6.6
NW	.7	.7	1.0									1.0	7.4
NNW	.7	1.0										2.0	7.7
VARBL													
CALM												24.7	
	31.9	1.4	1.0	.6	.7							170.7	1.0

TOTAL NUMBER OF OBSERVATIONS 51

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11 STATION NAME POINT MUD, CALIFORNIA YEARS 71-72 MONTH MAY
CLASS ALL WEATHER ALL
CONDITION ALL HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.4	.1									3.0	3.0
NNE	.4	2.2	.5	.0	.0							3.0	3.0
NE	.7	1.2	.4	.5	.2							3.0	4.7
ENE	1.7	.4	.4	.6	.1	.3						3.4	5.0
E	1.7	.4	.7	.2								2.7	4.0
ESE	.7	.4	.6	.5	.0							1.7	5.0
SE	.4	.7	1.1	.0	.1	.1						3.0	3.7
SSE	.3	.8	1.0	.6	.3							3.4	7.5
S	1.7	2.2	1.0	.4		.7						5.2	6.2
SSW	.7	1.2	.5	.7								2.4	4.0
SW	.7	1.7	.7	.1								2.7	5.0
WSW	.7	2.1	1.7	.1	.3							4.7	5.6
W	1.7	4.7	7.7	4.4	.9	.1						18.0	8.5
WNW	1.0	2.3	2.7	1.7	.4	.2						8.9	8.4
NW	1.7	.7	.4	.7								7.7	3.7
NNW	.7	.7	.1									2.0	2.7
VARBL													
CALM												17.0	
	20.6	27.7	20.0	10.3	1.9	.7						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 2476

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

POINT MUSH, CALIFORNIA

77-82

YEARS

APR

MORRIS

ALL WEATHER

CLASS

1

HOURE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.7										2.7	2.9
NNE	1.7	.3										7.7	3.5
NE	1.7	.7	.7									5.7	2.7
ENE	1.7	.7	.7		.3							4.7	4.7
E	1.7	.3										1.7	3.3
ESE	.7											.7	3.7
SE		.7	.7	.3								1.7	7.2
SSE	.7	1.7	.3									2.7	4.5
S	1.7	.7		.7								1.7	1.4
SSW	.7											.7	2.0
SW	.7	.7										1.7	1.5
WSW	.7	.3										1.7	3.3
W	1.7	.7	2.7	2.7								6.7	7.9
WNW	1.7	2.7	1.7	.7								6.7	5.1
NW	.7											5.7	2.1
NNW	.7	1.7										5.7	2.6
VARBL													
CALM												37.7	
	40.7	12.7	5.7	3.3	.3							100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11 STATION NAME POINT MUD, CALIFORNIA YEARS 73-72 MONTH APR
STATION 11 STATION NAME POINT MUD, CALIFORNIA YEARS 73-72 MONTH APR
ALL WEATHER CLARE MONTH APR
CONDITION CLARE MONTH APR
HOURS (L.S.T.) 24

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.7									10.0	2.5
NNE	15.0	2.7										12.0	2.5
NE	15.0	2.3										12.3	2.5
ENE	2.7	1.7	.3				.7					4.7	5.1
E	4.0	.7										4.7	2.5
ESE	.7		.7									.7	5.5
SE		1.0	.7									1.7	6.0
SSE	.7	.7	.7									1.2	3.5
S	1.0		.7									1.3	3.9
SSW	.7	.7										1.0	3.7
SW		.7										.3	6.0
WSW													
W	1.0	.7	.3	1.3								3.3	8.2
WNW	1.7	1.3	1.7	1.9								4.7	6.6
NW	1.0	.3										1.3	2.3
NNW	1.7	1.3										5.0	2.8
VARBL													
CALM												36.3	
	41.0	12.3	3.7	2.3			.3					100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 370

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1.1
STATION

POINT MESA, CALIFORNIA
STATION NAME

72-92
YEARS

APR
MONTH

ALL WEATHER
CLASS

27
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	10.7	2.7										13.7	2.6
NNE	14.7	2.7										15.7	2.6
NE	7.7	2.7	.7	.3		.7						10.7	3.6
ENE	1.7	1.7	1.7	.7								4.7	5.6
E	3.7	1.7										4.7	2.6
ESE	.7		.7									2.3	2.3
SE	.7	.3										.7	3.6
SSE	.7	1.7			.7							2.7	6.7
S	.7	.3	.7									1.7	6.7
SSW		1.7										1.7	4.3
SW	.7											.7	2.6
WSW	.7	.7										.7	3.6
W	.7	.7	1.7	.7								3.7	7.6
WNW		1.7	1.7	.3								2.3	6.6
NW	.7											2.3	1.3
NNW	1.7	1.3		.3								2.7	4.6
VARBL													
CALM												13.7	
	43.7	15.3	4.7	2.3	.3	.7						100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

POINT MUSH, CALIFORNIA

73-72

YEARS

APP

NORTH

10

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7										.7	4.0
NNE			.7									.3	8.0
NE	.7	.7	1.0	1.3	.3							4.0	7.6
ENE				.7	.7	.3						1.3	10.3
E			.3	.3								.7	11.5
ESE		.7		.3								.7	7.5
SE		.7	1.0	1.3	.3							3.3	10.8
SSE	1.0	2.7	4.0	.3								8.0	8.6
S	1.0	7.0	5.3	.3								13.7	6.2
SSW	1.7	5.0	4.3									11.0	5.6
SW	1.7	3.7	.3									5.7	4.1
WSW	2.7	6.3	3.0									12.0	5.2
W	.7	11.7	12.3	4.0								31.0	7.1
WNW	.7	.7	.7	.7								2.7	7.1
NW	.3		.3	.3								1.0	7.7
NNW		.3										.3	6.0
VARBL													
CALM												3.7	
	12.7	39.7	33.0	9.3	1.3	.3						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

111 STATION POINT MUD, CALIFORNIA 72-82 YEARS 8P NORTH 17 HOURS (L.S.T.)

ALL WEATHER - CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		.7										.3	6.0
NE	.7			.3								.7	7.5
ENE			.7			.7						.7	16.5
E							.7					.3	71.0
ESE		.7	.7									.7	7.0
SE	.7	.3	.7	.3								1.3	7.0
SSE		.7	1.0	.7								2.7	7.6
S	.7	1.3	3.7	.3								6.0	7.1
SSW		5.7	5.7	.7								11.7	7.1
SW		1.7	4.3									9.7	6.2
WSW	1.3	1.7	7.7	.7	.3							14.7	7.3
W	.3	6.7	27.0	12.3	1.0							43.3	9.4
WNW		1.7	3.7	1.7	1.0							7.3	10.4
NW													
NNW	.7											.7	3.0
VARBL													
CALM												.0	
	1.3	27.7	49.0	17.0	2.3	.3	.3					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

111 STATION POINT MUGO, CALIFORNIA 73-42 YEARS
STATION NAME CLASS ALL WEATHER
CONDITION

APR NORTH 16
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3											.3	2.0
NNE													
NE													
ENE				.3		.7						.7	19.5
E													
ESE													
SE				.3								.7	11.0
SSE			.7									.3	7.0
S	.3	.3	.7	.3								1.7	7.4
SSW	1.0	4.0	2.0	.3								7.4	6.1
SW	1.0	4.3	.7									6.0	5.1
WSW	2.7	6.0	2.3	1.0								12.0	5.9
W	1.7	13.7	24.7	10.0	4.0	.7						44.0	9.2
WNW	.3	.3	5.4	5.4	.7							15.1	10.6
NW		.7	.3									.7	6.0
NNW													
VARBL													
CALM												1.7	
	7.4	26.4	39.5	17.7	4.7	1.0						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0111 POINT MUGU, CALIFORNIA YEARS 73-82 APR MONTH 10 HOURS (L.S.T.)

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.3										2.3	2.0
NNE													
NE		0.7	0.7									1.0	5.3
ENE				0.7								0.7	14.0
E													
ESE													
SE													
SSE	0.7			0.7								1.0	6.3
S	1.0	0.7	0.3									2.3	3.4
SSW	1.0	0.3	0.3									2.3	3.4
SW	1.0	1.0	0.3									2.3	3.7
WSW	1.0	2.0	0.3									4.0	4.5
W	0.3	0.3	3.0	7.7	1.0							26.3	7.2
WNW	0.7	7.7	5.7	1.0	0.7							24.7	5.4
NW	5.7	3.7	0.3	0.7								10.3	3.7
NNW	3.0	1.7										4.7	3.3
VARBL													
CALM												16.0	
	34.3	27.0	10.7	10.3	1.7							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 370

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

POINT MUGO, CALIFORNIA

STATION NAME

73-82

YEARS

APR

NORTH

22

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	1.7										4.7	2.4
NNE	2.3	.7										3.0	2.5
NE	2.7	1.7										3.7	3.0
ENE		.7			.3							.7	1.5
E	1.7			.3								1.3	4.3
ESE		.3	.3									.7	6.5
SE		.7	.3									1.0	7.0
SSE	1.7	1.7										2.3	3.3
S	1.7	.3										1.7	3.3
SSW	1.7	.7										1.7	3.8
SW	1.7	.3										1.7	2.3
WSW	1.7			.7								1.3	4.3
W	1.7	2.7	4.7	1.7								2.3	7.5
WNW	4.7	4.7	3.7	1.7	.3							14.7	6.0
NW	7.3	3.7	.3	.3								11.0	3.3
NNW	4.3	1.7										5.7	2.7
VARBL													
CALM												36.7	
	52.3	17.3	8.7	4.3	.7							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

170

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

111	POINT MUGO, CALIFORNIA	73-92	API
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			ALL
CLASS			HOURS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	1.0	.0									5.1	2.6
NNE	4.0	.7	.0									4.7	2.6
NE	5.2	.0	.3	.3	.0	.0						4.7	3.8
ENE	1.0	.4	.3	.3	.2	.1	.1					2.0	7.5
E	1.2	.2	.0	.1			.0					1.0	4.0
ESE	.3	.1	.2	.0								.7	4.5
SE	.1	.0	.4	.3	.0							1.3	6.0
SSE	.6	1.0	.4	.2	.0							2.5	5.9
S	.0	1.3	1.3	.2								3.6	5.9
SSW	.0	2.2	1.6	.1								4.6	5.8
SW	.7	2.0	.7									3.4	4.9
WSW	1.2	2.7	1.6	.3	.0							5.7	5.9
W	0.3	5.5	8.9	5.0	.8	.1						22.4	8.4
WNW	0.0	2.4	3.2	1.5	.3							10.0	7.1
NW	2.7	.9	.0	.2								3.9	3.3
NNW	.1	1.0		.0								3.1	3.1
VARBL													
CALM												20.0	
	27.4	22.6	10.3	8.3	1.4	.3	.1					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 2500

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PCIA, HIGH, CALIFORNIA STATION NAME 73-52 YEARS MAY
STATION ALL WEATHER CLASS 01 NORTH 01
CONDITION 01 HOURS (LST) 01

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.6										4.1	3.0
NNE	1.2	.3										2.3	2.0
NE	4.5	1.6	.7									5.8	2.9
ENE	.7	.4										1.3	3.3
E	1.7											1.3	2.5
ESE		.4	.7									1.7	2.0
SE	1.3	2.2	.6									4.1	4.9
SSE	.1	1.6	1.6									3.3	6.4
S	1.4	2.0	.7	.3								5.2	4.4
SSW	1.4	.3	.7									2.3	4.0
SW	.4											.1	2.5
WSW	1.7	.4										2.7	2.7
W	1.7	2.3	1.4	.4								5.8	6.3
WNW	4.1	.7	.4	1.6	.3							10.7	5.1
NW	.1	.4										4.5	2.3
NNW	.7	.4										3.5	2.6
VARBL													
CALM												70.4	
	32.6	12.9	5.2	2.6	.3							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 111

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11 STATION NAME POINT MUD, CALIFORNIA YEARS 78-87 MONTH MAY
STATION 11 STATION NAME POINT MUD, CALIFORNIA YEARS 78-87 MONTH MAY
CLASS ALL WEATHER
CONDITION
HOURS (L.S.T.) 04

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5		.5									5.0	2.2
NNE	6.0	1.0										5.0	2.2
NE	1.0	.5		.5								6.0	3.0
ENE	1.0	.5										3.0	2.4
E	1.0	.5										5.0	2.6
ESE	1.0	.5	.5									1.0	3.1
SE	1.0	.5	1.0									2.0	5.0
SSE	.5	1.0	1.0									3.0	5.1
S	.5	.5	.5									1.0	4.0
SSW	.5	.5										1.0	2.8
SW	.5	.5	.5									1.0	1.3
WSW	.5											.5	2.0
W	1.0	1.0	1.0									4.0	4.6
WNW	1.0	1.0	1.0	.5	.3							5.0	4.2
NW	.5	.5										3.0	2.3
NNW	.5											2.0	2.4
VARBL													
CALM												45.0	
	17.1	10.0	6.1	1.0	.3							170.0	1.9

TOTAL NUMBER OF OBSERVATIONS 910

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

111
STATION

POINT MUGO, CALIFORNIA
STATION NAME

72-72
YEARS

MAY
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0										6.0	3.0
NNE	1.0	2.0										10.0	2.5
NE	1.0	1.0										8.0	3.0
ENE	1.0	1.0	.0	.0								3.0	4.0
E	1.0			.0								3.0	3.0
ESE	1.0	.0	.0									1.0	2.0
SE	1.0	2.0	.0									3.0	4.0
SSE	1.0	1.0										2.0	4.0
S	1.0	1.0										2.0	3.0
SSW	.0	.0										1.0	3.0
SW	1.0	.0										1.0	2.0
WSW	.0	.0										1.0	2.0
W	1.0	2.0	1.0	.0								1.0	6.0
WNW	1.0	1.0	.0									6.0	4.0
NW	.0	.0		.0								2.0	3.0
NNW	1.0	.0										1.0	2.0
VARBL													
CALM												12.0	
	44.0	17.0	4.0	1.0								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

200

SMOS

10
4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WIND

STATION POINT MUD, CALIFORNIA STATION NAME POINT MUD, CALIFORNIA YEARS 27-28 MONTH 1
CLASS ALL WEATHER
CONDITION
HOURS (L S Y)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2											.2	
NNE		.2		.7								.2	
NE													
ENE			.2									.2	
E													
ESE													
SE		.2	.2	1.2								2.2	
SSE		1.2	2.2	1.2								3.2	
S	.2	5.2	4.2	1.2								14.2	
SSW	2.2	2.2	2.2									14.2	
SW	1.2	.2	.2									1.2	
WSW	.2	4.2	2.2									4.2	
W	1.2	12.2	15.2	2.2	.2							22.2	
WNW		.2	2.2	.2	.2							6.2	
NW			.2									.2	
NNW													
VARBL													
CALM												1.2	
	11.2	45.2	34.2	5.2	.2							102.2	

TOTAL NUMBER OF OBSERVATIONS 102

SMOS

AD-A150 393

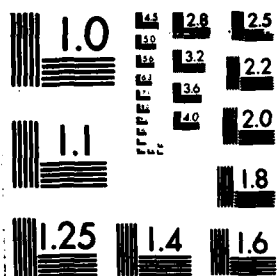
SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
POINT MUGU CALIFORNIA(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC OCT 83

24

UNCLASSIFIED

F/G 4/2

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 111 STATION NAME POINT MUGU, CALIFORNIA YEARS 73-92 MONTH MAY
CLASS ALL WEATHER HOURS (L.S.T.) 13
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE			.3									.3	10.0
ENE													
E													
ESE													
SE			.6									.6	9.5
SSE				.3								.3	11.0
S		1.0	2.9	1.0	.3							5.2	8.9
SSW	.3	3.0	3.6	.3								8.1	6.4
SW	.3	5.5	4.5	.3								10.7	6.6
WSW	1.3	9.7	15.0									21.0	6.6
W		12.9	26.5	6.8	2.3							48.5	8.8
WNW		.3	2.6	1.6	.6							5.2	10.8
NW													
NNW													
VARBL													
CALM												.5	
	1.0	33.3	51.1	10.4	3.2							100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 73-11 POINT MUGO, CALIFORNIA STATION NAME 73-12 YEARS MAY
ALL WEATHER MONTH 16
 CLASS ALL WEATHER HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE			.3									.3	2.0
SSE			.3	.6								1.0	11.7
S	.7	2.3	.6									3.6	5.5
SSW	.6	2.9	1.3									4.9	5.5
SW		3.9	2.3									6.1	6.1
WSW	1.0	4.1	6.5									15.5	6.1
W	1.3	14.6	31.7	8.4	1.9	.6						58.6	8.6
WNW		1.0	5.2	2.3								10.0	9.0
NW													
NNW													
VARBL													
CALM												.0	
	3.6	33.7	48.9	11.3	1.9	.6						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 379

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7111 STATION NAME POINT MUGU, CALIFORNIA YEARS 73-82 MONTH MAY
CLASS ALL WEATHER HOURS (L.S.T.) 19
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3										.6	3.5
NNE		.3										.3	4.0
NE													
ENE													
E													
ESE													
SE		.3	.3									.6	8.0
SSE	.6	.6										1.3	4.0
S	1.0	.6		.3								1.9	5.3
SSW	1.6	1.6		.3								3.5	4.5
SW	.6	.6										1.3	3.5
WSW	1.6	2.3	.6	.6								5.2	5.4
W	11.6	14.2	8.1	3.5	.3	1.0						38.7	6.2
WNW	9.4	15.5	3.5	1.6	.3							30.3	5.7
NW	3.9	3.2	.3									7.4	3.8
NNW	1.6		.3									1.9	3.2
VARIABLE													
CALM												6.8	
	32.3	39.7	13.2	6.5	.6	1.0						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 310

8M08

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

011	POINT MUGU, CALIFORNIA	73-82	MAY
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			22
CLASS			HOURS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.2	1.7										5.2	2.5
NNE	1.3											1.9	1.7
NE	.6	.3										1.0	3.0
NNE	.3											.3	2.0
E		.3										.3	4.0
ESE			.3									.3	8.0
SE	.6	.3	1.0									1.9	6.2
SSE	1.3	2.3		.3	.3							4.2	5.5
S	1.3	2.3	.3									3.9	4.2
SSW		.6										.6	4.5
SW	1.3	.3										2.3	2.3
WSW	1.0	.6										1.6	3.6
W	5.2	2.6	3.2	1.6								12.6	5.4
WNW	1.7	5.8	2.3	2.6	.3							19.7	5.3
NW	6.1	2.3										9.0	2.6
NNW	2.7	.3										3.2	2.2
VARB													
CALM												31.9	
	36.2	19.0	7.1	4.5	.6							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

111
STATION

POINT MUGU, CALIFORNIA
STATION NAME

73-72
YEARS

MAY
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.4	.5	.1									3.0	2.6
NNE	2.6	.6		.0								3.2	2.6
NE	2.3	.4	.1	.0								2.9	2.9
ENE	.7	.3	.1	.0								1.1	3.5
E	.9	.1		.0								1.1	2.6
ESE	.2	.2	.2									.6	4.5
SE	.5	.8	.1	.1								2.1	5.9
SSE	.6	1.1	.7	.3	.0							2.7	6.4
S	1.2	2.0	1.2	.3	.0							4.7	5.6
SSW	1.1	2.3	1.1	.1								4.6	5.3
SW	.7	2.0	.9	.0								3.7	5.4
WSW	1.3	3.1	2.5	.1								7.7	5.7
W	3.0	7.2	11.2	3.0	.6	.2						26.0	7.6
WNW	3.3	4.0	2.6	1.4	.3							11.8	5.0
NW	2.5	.8	.1	.1								3.4	3.0
NNW	1.6	.2	.1									1.8	2.5
VARIABLE													
CALM												19.7	
	25.0	27.3	21.4	5.5	1.0	.2						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

2473

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0111 STATION NAME POINT MUGO, CALIFORNIA YEARS 73-82 MONTH JUN
CLASS ALL WEATHER HOURS (L.S.T.) 01
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	1.0										5.0	2.5
NNE	2.0	.7										3.7	2.4
NE	1.3		.3									1.7	3.2
NNE	1.7											1.7	2.0
E	1.3											1.3	2.3
ESE	1.0	.3										1.3	2.8
SE	1.0	2.3	1.7									5.4	5.1
SSE	1.0	2.7	.3	.3								4.3	5.2
S	1.0	.7										1.7	3.6
SSW	.3	.3										.7	3.5
SW	.3	.7										1.0	4.3
WSW	1.0	.3										1.7	2.0
W	.4	2.7										8.0	3.0
WNW	.7	2.3		.3								9.4	3.0
NW	3.0	.3										3.3	2.0
NNW	4.3	.7	.3									5.4	2.5
VARBL													
CALM												44.5	
	31.1	15.1	2.7	.7								100.0	1.7

TOTAL NUMBER OF OBSERVATIONS 299

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

111 STATION POINT HUGH, CALIFORNIA 73-P2 YEARS JUN MONTH 04 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.0	.7										7.7	2.0
NNE	5.4											5.4	1.0
NE	4.0	1.7		.3								6.0	3.0
ENE	2.0	.3										2.3	2.1
E	2.3	.3										2.7	2.0
ESE	.3	.3										.7	4.0
SE	1.3	1.0	.3									2.7	4.0
SSE	.7	1.0	.3									2.0	5.3
S	1.7	1.7										3.0	3.8
SSW		.7										.7	4.0
SW	.7											.7	3.0
WSW	.7	.7										.7	3.5
W	2.3	1.7										4.0	3.1
WNW	3.3	1.7	.3									5.4	3.1
NW	2.0	.7										2.7	2.6
NNW	2.3	.7										3.0	2.8
VARIABLE													
CALM												48.5	
	37.5	12.4	1.0	.3								100.0	1.5

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 01111 STATION NAME POINT MUGU, CALIFORNIA YEARS 13-92 MONTH JUN
CLASS ALL WEATHER HOURS (L.S.T.) 07
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.4	2.3										7.7	2.7
NNE	7.4	3.0										10.4	2.6
NE	5.0	1.3	.3	.3								7.0	3.6
ENE	3.7	1.0										4.7	2.2
E	.7											.3	2.0
ESE	1.7		1.0									2.7	4.9
SE	.7	1.0										1.3	4.0
SSE	.7	1.0										1.3	5.0
S	1.7	1.0	.7									2.7	5.0
SSW	.7	.3										.7	3.0
SW	.7											.7	2.0
WSW	1.7											1.7	2.0
W	5.0	3.4	1.0									7.4	4.4
WNW	4.7	3.0	.7									3.4	3.4
NW	2.7	.3										2.3	2.3
NNW	5.7	.7										6.4	2.0
VARBL													
CALM												34.6	
	42.6	18.5	4.0	.3								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 298

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0111 STATION NAME POINT MUGO, CALIFORNIA YEARS 73-74 MONTH JUL
STATION 0111 STATION NAME POINT MUGO, CALIFORNIA YEARS 73-74 MONTH JUL
CLASS ALL WEATHER HOURS (L.S.T.) 10
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE					.7							.3	20.0
ENE					.7							.3	17.0
E													
ESE	.7											.3	1.0
SE		1.7	.7									2.0	6.5
SSE	.7	1.7	2.7	2.0								6.7	6.4
S	2.0	6.0	5.0	1.0								14.0	6.4
SSW	1.0	6.0	3.0									10.0	5.4
SW	1.7	3.7	3.0									7.7	5.4
WSW	2.3	9.4	1.7									13.4	5.3
W	2.7	14.4	19.7	1.3								40.1	6.7
WNW	.7	1.3	1.7									3.3	6.2
NW													
NNW													
VARBL													
CALM												1.7	
	10.4	45.5	37.5	4.3	.7							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 111 POINT MUGU, CALIFORNIA 73-92 YEARS MONTH 17 HOURS 1157

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			0.7									0.7	7.0
NNE													
NE													
ENE				0.7								0.7	14.5
E													
ESE													
SE													
SSE			0.7	0.3								0.7	9.0
S		0.7	4.7	1.0								1.0	7.0
SSW	0.7	2.7	4.7									7.0	7.0
SW	0.7	0.4	0.7									0.7	6.0
WSW		0.4	0.4	1.0								1.0	6.0
W	0.7	0.4	34.0	5.4								49.0	4.0
WNW	0.7	0.7	0.7	1.0								0.7	5.0
NW													
NNW													
VARBL													
CALM												0.7	
	1.0	0.4	5.0	9.4								17.0	7.0

TOTAL NUMBER OF OBSERVATIONS 219

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

111
STATION

POINT MUD, CALIFORNIA
STATION NAME

23-42
YEARS

JUN
MONTH

ALL WEATHER
CLASS

14
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE	.7											.3	2.0
S	.7	.3	1.0	.7								2.7	7.0
SSW	.7	3.7	1.3									5.7	5.9
SW		7.0	2.0									5.0	6.5
WSW	1.3	4.0	5.4									14.7	5.9
W	.7	13.4	37.5	6.0	.3							57.9	8.1
WNW	1.3	2.0	7.4	3.0								13.7	8.2
NW			.7									.3	7.0
NNW													
VARBL													
CALM												.3	
	4.7	30.4	54.6	9.4	.3							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

209

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11 STATION NAME POINT MUD, CALIFORNIA YEARS 13-14 MONTH JUN
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7										.7	5.0
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE	.7	.3	1.7									2.7	5.0
S	1.7	.3	.3									2.3	3.4
SSW	1.7	1.7										2.7	3.7
SW	1.7	.7										2.7	2.3
WSW	.7	1.7	.7									5.7	3.4
W	11.7	17.4	5.4	.3								36.1	4.7
WNW	7.4	21.4	4.7									33.4	4.7
NW	.3	.7	.7									9.7	4.2
NNW		1.7										1.7	4.4
VARBL													
CALM												4.7	
	27.4	52.1	12.7	.3								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 229

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

111
STATION

POINT MUD, CALIFORNIA
STATION NAME

73-92
YEARS

JUN
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.7										2.0	2.7
NNE				.3								.7	12.0
NE													
ENE													
E		.7										.7	4.0
ESE		.7	.7									1.0	7.3
SE		.7	1.0	.3								3.4	6.6
SSE	1.0	.7	1.7	.7								4.0	6.3
S	1.7	1.0										2.3	3.7
SSW	1.7		.3									1.7	4.4
SW	.7											.7	2.0
WSW	1.7											1.7	1.0
W	7.4	3.4	1.3									12.1	3.6
WNW	14.1	4.7	1.0									19.1	3.0
NW	11.1	3.7										15.1	2.6
NNW	11.4	1.3	.7									12.1	2.3
VARBL													
CALM												25.0	
	40.3	16.0	6.4	1.3								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

298

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

0111
STATION

POINT MUGO, CALIFORNIA
STATION NAME

13-92
YEARS

000
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	.6	.1									2.9	2.5
NNE	2.6	.6		.1								2.6	2.5
NE	1.7	.4	.1	.1	.1							2.1	3.6
ENE	.9	.3		.1	.1							1.2	3.2
E	.5	.1										.6	2.2
ESE	.4	.1	.3									.8	4.5
SE	.4	1.7	.7	.7								1.8	5.3
SSE	.7	.7	.5	.4								2.7	6.5
S	1.1	1.6	1.5	.3								4.5	5.9
SSW	.8	1.3	1.2									3.6	5.7
SW	.7	1.6	1.1									3.7	5.5
WSW	1.7	3.5	2.7	.1								7.5	5.4
W	4.1	6.7	12.6	1.6	.0							26.9	6.7
WNW	4.0	4.6	2.3	.5								12.7	4.5
NW	2.9	1.4	.1									3.9	3.1
NNW	2.7	.5	.1									3.6	2.6
VARBL													
CALM												20.1	
	26.5	27.6	22.4	3.3	.1							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

279

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 111 STATION NAME POINT MUGO, CALIFORNIA YEARS 73-82 MONTH JUL
CLASS ALL WEATHER
HOURS (L.S.T.) 01
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	.6										3.5	2.8
NNE	1.3	.3										1.6	2.4
NE	3.5											3.5	1.8
ENE	1.3	.3										1.6	2.2
E	1.3	.3										1.6	2.6
ESE	.6	1.3										1.6	3.0
SE	.6	1.6	1.0	.6								4.8	7.0
SSE	1.3	1.3	1.3									4.5	6.9
S	1.0	.6	.6									2.3	4.4
SSW	.3	.6										1.0	3.7
SW	1.0											1.0	2.0
WSW	.6											.6	2.0
W	3.1	1.3										7.1	2.7
WNW	6.5	.6										7.1	2.2
NW	2.9	.6										3.5	2.6
NNW	4.2	.3										4.5	2.2
VARBL													
CALM												50.0	
	35.5	10.0	3.9	.6								100.0	1.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION POINT HUGH, CALIFORNIA STATION NAME 73-P2 YEARS JUL
CLASS ALL WEATHER MONTH 04
CONDITION 04 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5											4.5	1.8
NNE	4.5	1.3										7.7	2.5
NE	4.5	1.3										7.7	2.5
ENE	4.5	1.6										6.5	2.5
E	1.6	.3										1.9	3.2
ESE			.7									.3	7.7
SE	1.6	2.3	.3									3.5	4.8
SSE	1.6		1.6									2.3	5.1
S	1.6											1.3	2.3
SSW	.6											.6	2.5
SW	1.6											1.6	2.6
WSW	1.6											1.6	1.8
W	2.3	.3										2.6	2.6
WNW	1.6	.6										1.9	3.2
NW	1.6	.6										2.3	2.6
NNW	.2	.3										3.5	1.8
VARBL													
CALM												50.6	
	39.0	8.7	1.6									100.0	1.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7111
STATION

POINT MUGU, CALIFORNIA
STATION NAME

73-62
YEARS

JUL
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.4	1.3	.3									9.1	2.8
NNE	8.7	1.9										10.7	2.6
NE	5.9	2.3										8.1	2.6
ENE	2.6	1.9										3.5	3.3
E	.3	1.6										1.9	4.2
ESE	1.9											1.9	2.9
SE	1.6	1.3	.3									3.2	3.9
SSE	.6	1.3	.3									2.3	4.9
S	1.6	1.6										2.6	3.8
SSW	1.9											1.9	1.7
SW	.6											.6	2.5
WSW	.3	.3										.6	2.5
W	1.6	1.3	.3									3.2	4.8
WNW	7.2	.6		.3								4.8	3.4
NW	5.6	1.3										7.1	2.5
NNW	7.8	.3										8.1	2.2
VARBL													
CALM												12.7	
	59.2	15.5	1.3	.3								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

379

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

POINT MUGG, CALIFORNIA

STATION NAME

73-92

YEARS

JUL

MONTH

ALL WEATHER

CLASS

17

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
NNE													
E	.2											.7	1.0
ESE													
SE	.2		.7									.6	4.5
SSE		1.1	2.9		.3							4.9	7.9
S	.6	4.2	4.9	1.0								11.7	7.4
SSW	1.2	7.9	3.9	.6								14.2	5.8
SW	1.3	7.1	2.6									11.0	5.3
WSW	1.9	8.7	1.9									12.6	5.4
W	1.9	19.4	17.2	1.0								38.5	6.4
WNW		1.7	2.9									3.9	7.3
NW	.2											.3	2.0
NNW		.7										.3	4.0
VARB													
CALM												1.6	
	.7	49.2	36.6	3.6	.3							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

309

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

0111	POINT MUGO, CALIFORNIA	73-82	JUL
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			13
CLASS			HOURS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE			.7	1.0								1.7	13.0
S		1.0	1.0	.6								4.5	7.7
SSW		.3	5.2	.3								7.8	7.7
SW	1.7	3.2	5.2									9.7	6.3
WSW	1.0	11.3	4.4									20.7	6.3
W		4.7	36.0	2.6								49.2	8.0
WNW			5.5	1.3								6.8	9.5
NW													
NNW													
VARBL													
CALM												.	
	2.3	28.5	63.4	5.8								100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 379

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 111 STATION NAME POINT MUGU, CALIFORNIA YEARS 73-82 MONTH JUL
 CLASS ALL WEATHER
 HOURS (L.S.T.) 16
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S	.3	1.1	.3	.6								2.3	7.1
SSW	.4	2.6	.9									3.5	5.0
SW		1.7	2.3									3.5	6.9
WSW	1.7	7.7	2.3									11.0	5.6
W	.5	17.7	43.9	2.6								64.8	7.5
WNW		3.5	13.0	1.3								14.8	7.9
NW													
NNW													
VARBL													
CALM												.0	
	2.6	33.9	59.0	4.5								170.0	7.3

TOTAL NUMBER OF OBSERVATIONS 316

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

111
STATION

POINT MUGU, CALIFORNIA
STATION NAME

73-82
YEARS

JUL
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2										.2	4.0
NNE													
NE													
NNE													
E													
ESE													
SE			.7									.3	8.0
SSE		.2	.4									1.3	6.8
S		.2										.6	4.5
SSW	.4											.6	2.5
SW	1.7	.4										1.9	3.0
WSW	1.5	.3	.3									2.3	3.3
W	7.4	18.8	1.0									27.2	4.3
WNW	1.3	22.7	4.5									39.5	4.4
NW	9.4	10.7	.6									20.7	3.7
NNW	.7	1.0										2.3	4.1
VARS													
CALM												2.9	
	33.0	56.6	7.4									100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1.1 STATION NAME POINT MUGO, CALIFORNIA YEARS 73-74 MONTH JUL
CLASS ALL WEATHER HOURS (LST) 22
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.0										1.0	2.0
NNE	.0											.0	1.0
NE	.0											.0	2.0
NNE													
E													
ESE													
SE	.0		1.0	.6								1.0	5.6
SSE		.0	.0									1.3	6.5
S	1.0	.0	.0									1.0	3.8
SSW	1.0	.0										1.3	2.5
SW	1.0	.0										1.6	3.0
WSW	1.0											1.0	2.0
W	5.0	1.0										7.0	2.7
WNW	13.3	2.6	.0									16.2	2.6
NW	17.7	2.9										16.5	2.5
NNW	11.0	2.0										14.2	2.6
VARIABLE												33.3	
CALM													
	51.5	12.3	2.3	.6								100.0	1.9

TOTAL NUMBER OF OBSERVATIONS 309

8806

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

111 STATION POINT MUGU, CALIFORNIA 77-72 YEARS JUL MONTH ALL HOURS (L E V) CLASS ALL CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.1									2.4	2.6
NNE	.1	.4										2.7	2.6
NE	.1	.4										2.8	2.4
NNE	.1	.4										1.7	2.7
E	.4	.3										.7	3.2
ESE	.7	.1	.7									.4	3.1
SE	.1	.6	.7	.2								1.9	5.9
SSE	.4	.1	.7	.1	.1							2.2	6.6
S	.7	1.2	1.1	.4								3.4	6.2
SSW	.7	1.7	1.2	.1								3.4	5.7
SW	1.7	1.6	1.3									3.1	5.3
WSW	1.1	3.0	1.4									6.7	5.4
W	3.2	2.6	12.4	.8								23.1	6.5
WNW	4.6	4.7	2.9	.4								11.7	4.9
NW	4.2	2.3	.1									6.3	3.7
NNW	1.4	.1										4.1	2.5
VARBL													
CALM												71.4	
	27.8	26.1	21.2	1.9	.7							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 2475

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1. POINT MUGG, CALIFORNIA 73-72 73
STATION NAME YEARS
CLASS ALL WEATHER
CONDITION
MONTH 01
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.2	0.0										3.0	2.3
NNE	0.3	0.0										2.6	2.4
NE	0.0	0.0										4.0	2.5
ENE	1.0	0.0										1.0	2.3
E	1.0	0.0										1.0	3.0
ESE	0.0	0.0	0.0									1.0	5.0
SE	0.0	1.0	1.0									3.0	6.2
SSE	1.0	0.0	0.0									5.2	4.7
S		0.0	0.0									1.0	7.0
SSW	0.0											0.0	2.0
SW	0.0											0.0	3.0
WSW	1.0	0.0										2.0	2.6
W	0.0	2.0										5.0	3.2
WNW	0.0	1.0										6.0	2.3
NW	4.0	0.0										4.0	1.9
NNW	0.0											5.0	2.1
VARBL													
CALM												40.0	
	34.0	12.0	2.0									100.0	1.6

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 111 STATION NAME POINT MICH, CALIFORNIA YEARS 77-78 MONTH 10
CLASS ALL WEATHER
CONDITION
HOURS (LST) 10

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0										6.0	2.0
NNE	1.0	1.0										9.0	2.3
NE	1.0	2.0										9.0	2.6
ENE	4.0	1.0										5.0	2.4
E	1.0	0.0										2.0	2.0
ESE	0.0	0.0	0.0									1.0	4.0
SE	1.0	0.0	0.0									2.0	4.3
SSE	1.0	0.0	0.0									2.0	3.9
S	0.0											2.0	2.0
SSW	0.0											0.0	2.0
SW													
WSW	0.0	0.0										1.0	2.7
W	1.0											1.0	1.0
WNW	1.0	1.0										2.0	3.1
NW	1.0											3.0	2.7
NNW	0.0											2.0	1.0
VARBL													
CALM												46.0	
	41.3	15.0	1.0									100.0	1.4

TOTAL NUMBER OF OBSERVATIONS 71

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11
STATION

POINT MUGO, CALIFORNIA

STATION NAME

1951

YEARS

11

MONTH

ALL WEATHER

CLASS

7

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.0										7.5	2.5
NNE	11.0	3.0	.3									14.3	2.5
NE	1.0	4.0										14.3	2.8
ENE	.0	.0	.7									7.5	3.3
E	1.0	.0										2.3	2.7
ESE	.0	.0	.3									1.0	3.5
SE	.0	.0										.3	2.5
SSE	1.0	.0										1.0	2.4
S	.0	.0										.0	1.0
SSW	.0											.0	2.0
SW		.0										.0	4.0
WSW	1.0											1.0	1.0
W	1.0	1.0										2.0	3.1
WNW	.0	.0	.3									3.0	2.5
NW	1.0	.0										1.0	3.5
NNW	.0											4.0	2.1
VARBL													
CALM												3.0	
	4.0	17.0	1.3									17.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION POINT MUD, CALIFORNIA STATION NAME 73-80 YEARS 1973-80 MONTH 1
CLASS ALL WEATHER HOURS (L.S.T.) 1
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE	.1		.3									.4	0.5
SE		.3	.4									1.0	7.3
SSE	1.0	1.0	1.0	1.3								6.1	7.4
S	1.0	6.1	4.4									14.5	5.7
SSW	2.3	4.4	3.2									13.9	5.3
SW	2.3	7.4	.6									11.3	4.2
WSW	1.0	7.4	1.3									10.0	5.0
W	1.0	16.2	15.2									33.4	6.5
WNW	1.0	2.3	3.2									6.5	6.2
NW		.1	.7									.6	6.5
NNW													
VARBL													
CALM												1.0	
	11.0	2.2	31.0	1.3								100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 317

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

111	POINT MUGO, CALIFORNIA	73-82	1
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			1
CLASS			HOUSE 11.57
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE			1.0									1.0	5.3
S		2.0	1.0	1.0								5.0	7.4
SSW	.0	.0	4.0									5.0	7.5
SW	.0	7.0	7.0	.0								13.0	5.6
WSW		1.0	7.0									17.0	6.4
W	1.0	14.0	31.7	4.2								1.0	7.6
WNW		1.0	2.0	1.0								4.0	7.3
NW													
NNW													
VARBL													
CALM												.0	
	1.0	34.2	55.7	6.5								100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 379

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION POINT MUD, CALIFORNIA STATION NAME 73-92 YEARS 10
CLASS ALL WEATHER MONTH 10
CONDITION 16
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3											.3	2.0
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE			.3									.3	3.0
S		.3	.3	.6								1.6	8.2
SSW		1.6	1.6									3.2	5.4
SW		3.2	.3									4.2	4.2
WSW	.6	7.4	3.9									12.0	5.6
W	.3	16.2	35.6	4.2								56.3	7.6
WNW		4.2	14.2	1.6								20.7	7.9
NW		1.6	.3									1.9	5.8
NNW													
VARBL													
CALM												.3	
	1.7	35.6	56.6	6.5								100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 109

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION POINT MUCO, CALIFORNIA STATION NAME 73-22 YEARS 19
MONTH 12
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	42.7	46.7	7.1									100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 319

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

POINT MUGU, CALIFORNIA

STATION NAME

73-72

YEARS

AUG

MONTH

ALL WEATHER

CLASS

22

DOES (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0											3.0	2.2
NNE	0.1											0.1	2.5
NE	0.1	0.1										1.2	3.0
ENE													
E													
ESE													
SE		1.0	1.3									2.3	7.1
SSE	0.1	1.3	0.3									2.3	4.6
S	0.1	1.0										1.6	3.6
SSW	1.0											1.0	2.0
SW	0.1											0.3	2.0
WSW	0.1	0.1										1.2	4.3
W	2.4	3.5										6.1	3.3
WNW	11.0	6.9	0.1									18.0	3.2
NW	13.9	2.3	0.1									16.3	2.6
NNW	0.7	2.6										11.3	2.6
VARBL													
CALM												33.0	
	44.0	19.7	2.3									100.0	2.1

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 1111 STATION NAME: POINT MUDU, CALIFORNIA YEARS: 73-75

ALL WEATHER CLASS

CONDITION

AUG NORTH ALL HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	.6										2.7	2.6
NNE	2.7	.6	.7									3.4	2.6
NE	2.6	1.2										3.6	2.8
ENE	1.1	.3	.7									1.4	2.7
E	.6	.2										.8	2.6
ESE	.7	.2	.2									.6	4.4
SE	.7	.6	.5									1.2	6.7
SSE	.9	1.0	.6	.2								2.6	5.7
S	.7	1.7	1.5	.2								3.6	5.7
SSW	.7	1.4	1.2									3.4	5.4
SW	.6	2.4	.7	.0								4.6	5.3
WSW	1.7	3.4	1.5									5.6	5.3
W	2.3	7.2	17.7	1.1								22.0	6.7
WNW	4.6	4.6	2.9	.3								12.4	4.6
NW	4.7	2.2	.1									7.0	3.0
NNW	3.3	.6	.1									4.0	2.6
VARBL													
CALM												21.5	
	24.4	26.5	19.9	1.9								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 2475

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

111
STATION

POINT MUGU, CALIFORNIA
STATION NAME

73-52
YEARS

SEP
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.7	.3	.3									6.3	2.2
NNE	7.7		.3									8.0	2.3
NE	7.3	1.3										8.7	2.3
ENE	7.3	1.7										9.0	2.5
E	1.7	.7										2.4	2.9
ESE	1.7	2.7										4.4	3.8
SE	1.7	1.7	1.3									3.7	5.2
SSE	1.7	1.3	1.7									4.7	4.8
S	1.7	.3		.3								1.7	4.4
SSW	1.7											1.7	2.3
SW	1.7											1.7	2.2
WSW	1.7	.3										1.3	2.7
W	1.7	1.3										3.0	3.6
WNW	2.7	1.7										3.7	3.0
NW	2.7	.7	.3									3.7	2.7
NNW	7.3	.3										3.7	2.2
VARBL													
CALM												38.1	
	41.7	12.3	4.0	.3								100.0	1.6

TOTAL NUMBER OF OBSERVATIONS

370

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 111 STATION NAME POINT MUDY, CALIFORNIA YEARS 73-82 MONTH SEP
CLASS ALL WEATHER MONTH 04
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.0										5.7	2.7
NNE	2.0	1.0	.7									11.0	2.0
NE	1.0	2.7		.7								14.0	2.9
ENE	.3	2.3										5.7	3.1
E	2.7	.7										3.7	2.3
ESE	.7	1.7	.7									2.7	5.2
SE	.7	1.0	.3									2.7	4.3
SSE	.7		.7									1.0	5.0
S	1.3	.7										2.0	2.0
SSW													
SW		.7										.7	5.0
WSW													
W	2.7	1.0										3.7	2.8
WNW	.3		.7	.3								1.3	8.0
NW	2.0											2.0	2.5
NNW	2.0	.3										3.3	1.8
VARBL													
CALM												13.7	
	43.3	13.7	2.3	1.0								100.0	1.0

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1111 POINT MUGO, CALIFORNIA 73-02 YEARS 1970-1971
STATION NAME CLASS ALL WEATHER CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.7	2.0										9.7	2.7
NNE	11.7	3.7										15.4	2.7
NE	17.4	3.3	.7	1.0								18.1	3.3
ENE	1.7	1.0	.7									2.7	4.1
E	1.7	.3										1.7	2.6
ESE		.7										.7	4.1
SE	1.7	1.0										2.7	4.3
SSE	1.7	.3										2.0	2.5
S	.7	.7	.3									1.7	5.0
SSW	1.7	1.0										2.7	3.3
SW	1.7	.3										1.7	3.0
WSW		.7										.3	4.5
W	.3											2.3	2.1
WNW	.3	.7		.3								3.3	3.8
NW	.3	.7										2.7	1.9
NNW	.7	.7										4.3	2.4
VARBL													
CALM												70.1	
	51.2	16.1	1.3	1.3								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 109

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0111 POINT MEND, CALIFORNIA 73-21 YEARS MONTH 10
STATION NAME CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7											.7	2.0
NNE	.7											.7	2.0
NE	.7	.3	.3		.3	.7						1.7	11.6
ENE	.3	.3		.3								1.7	7.7
E		.3										.7	4.0
ESE	.3	.3	.7									1.3	6.0
SE	.7	2.0	.3	.3								3.3	6.7
SSE	.7	2.0	2.3	.7								6.7	6.7
S	4.7	6.7	4.0	.3								15.7	5.1
SSW	3.3	5.0	2.3									10.7	4.9
SW	1.7	2.7	1.0									5.4	4.6
WSW	1.7	2.7	1.0									11.0	4.0
W	1.7	15.1	9.7	.3								29.8	5.0
WNW	2.3	1.3	1.7									5.0	5.0
NW													
NNW	1.7	.3										1.7	2.3
VARB													
CALM												5.4	
	12.4	40.2	23.4	2.0	.3	.7						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 289

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 111 STATION NAME POINT MUGU, CALIFORNIA YEARS 73-74 SEP 17
STATION 111 STATION NAME POINT MUGU, CALIFORNIA YEARS 73-74 MONTH 17
CLASS ALL WEATHER
CONDITION
HOURS (L S Y)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		.3										.3	4.3
NE				.3	.7							1.0	17.3
ENE													
E													
ESE													
SE				.7								.3	11.0
SSE			1.7	1.7								2.0	10.6
S		5.0	4.3	1.3								7.7	8.4
SSW	1.7	3.3	5.7									10.7	6.7
SW	1.7	7.7	4.7									13.0	5.7
WSW	.7	7.3	5.3									13.3	6.3
W	.3	15.3	24.7	2.3	.3							45.7	7.1
WNW		.7	7.7	.7								8.0	5.1
NW			.3									.7	5.0
NNW													
VARBL													
CALM												1.7	
	.7	27.3	42.7	5.7	1.0							10.0	7.0

TOTAL NUMBER OF OBSERVATIONS 200

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 111 STATION NAME POINT MICH, CALIFORNIA YEARS 72-73 MONTH 10
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		0.7										0.3	6.5
NNE													
NE													
ENE	0.7			0.7								0.7	7.0
E		0.7										0.7	5.0
ESE													
SE			0.7									0.7	4.5
SSE			0.7									0.7	4.0
S	0.7	1.3	2.7	0.3								4.3	5.9
SSW		0.7	1.7									3.7	6.3
SW	2.7	3.3	1.7									7.4	4.7
WSW	1.3	1.4	3.4									11.1	5.5
W	1.3	24.1	27.4	2.1								55.0	6.5
WNW	0.7	7.4	7.4	3.4	0.7							18.4	7.4
NW	0.7	0.7	0.7									1.7	4.5
NNW			0.7									0.3	10.0
VARBL													
CALM												0.7	
	10.0	45.5	38.1	5.7	0.7							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 279

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 111 STATION NAME POINT MUGN, CALIFORNIA YEARS 73-78 MONTH 10
CLASS ALL WEATHER HOURS (L S Y) 10
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0										.0	2.6
NNE	1.0	.0										1.0	2.3
NE	.0	.0										.0	2.0
ENE	1.0	.0										1.0	2.4
E		.0										.0	4.0
ESE		.0										.0	4.0
SE	.0	.0	1.0									1.0	4.0
SSE	.0	.0	1.0									.0	4.0
S	1.0	1.0	.0									2.0	4.0
SSW	.0											.0	2.0
SW	.0	.0										1.0	4.0
WSW	.0	.0		.0								.0	4.0
W	1.0	4.0	.0									5.0	4.0
WNW	11.0	11.0	2.0	1.0								25.0	4.0
NW	1.0	.0	.0									2.0	4.0
NNW	5.0	.0	.0									.0	4.0
VARBL													
CALM												1.0	
	45.0	38.0	7.0	1.0								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 10

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 101 MOUNTAIN, CALIFORNIA STATION NAME 101 MOUNTAIN YEARS 1961-1962 MONTH 01
CLASS ALL WEATHER HOURS (LST) 00
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	1.0										4.0	2.1
NNE	0.0	0.0										0.0	
NE	0.0	1.0										4.0	2.1
ENE	1.0	0.0										1.0	2.1
E	1.0	0.0	0.0									1.0	2.1
ESE	0.0	0.0										1.0	2.1
SE		1.0	0.0									1.0	2.1
SSE	1.0	1.0	0.0									2.0	2.1
S	1.0	1.0	0.0									2.0	2.1
SSW	0.0	0.0										1.0	2.1
SW	0.0	0.0										1.0	2.1
WSW	1.0											1.0	2.1
W	0.0	1.0	0.0									1.0	2.1
WNW	0.0	0.0	0.0									0.0	2.1
NW	1.0	0.0										1.0	2.1
NNW	0.0	0.0	0.0									0.0	2.1
VARBL													
CALM													
	4.0	2.0	0.0									1.0	2.1

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 01 STATION NAME POINT MUD, CALIFORNIA YEARS 73-82 MONTH SEP
CLASS ALL WEATHER HOURS (L.S.T.) ALL
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.1									4.1	2.0
NNE	.1	.1	.1									5.1	2.7
NE	.5	1.1	.1	.3	.1	.1						7.1	3.5
ENE	1.1	.7	.1	.1								2.3	3.4
E	.1	.1	.1									1.4	2.8
ESE	.4	.7	.1									1.2	4.3
SE	.1	1.1	.1	.1								2.1	5.5
SSE	.1	.1	.1	.1								2.7	5.7
S	1.1	1.1	1.1	.3								4.1	5.7
SSW	1.1	1.1	1.1									3.6	5.3
SW	1.1	2.1	.1									3.1	4.8
WSW	1.1	2.1	1.1	.1								5.2	5.2
W	.1	5.1	5.1	.5	.1							11.4	6.1
WNW	.1	2.1	2.1	.7	.1							9.1	5.5
NW	5.1	1.1	.1									6.1	3.0
NNW	3.1	.1	.1									4.1	2.8
VARBL													
CALM												20.1	
	13.3	24.4	15.4	2.2	.2	.1						100.1	3.7

TOTAL NUMBER OF OBSERVATIONS 2397

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11
STATION

POINT MUGU, CALIFORNIA

STATION NAME

13-82

YEARS

007

NORTH

ALL WEATHER

CLASS

01

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.0	.3									5.4	3.0
NNE	.5	2.5	.7									2.7	3.1
NE	.1	2.3	1.3	.6								10.3	4.3
ENE	2.0	.0										4.5	2.7
E	2.2	.3										3.1	2.4
ESE	1.0	.5										1.0	3.4
SE	.3	1.0	1.0									3.2	5.6
SSE	.3	1.0										1.3	4.0
S	.4		.7									1.0	4.3
SSW		.7										.7	6.0
SW													
WSW	.0	.6										1.3	3.9
W	1.0	1.3	.6									3.9	4.0
WNW	1.0	.6	.3									2.3	3.6
NW	6.5	1.0	.6									6.1	3.2
NNW	.2	1.3										6.5	2.3
VARBL													
CALM												77.1	
	41.0	16.1	5.2	.6								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS

711

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 011 POINT MUD, CALIFORNIA 13-72 YEARS 001
STATION NAME MONTH
CLASS ALL WEATHER
HOURS (L S Y) 24
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.4	7.2	.6									11.3	3.0
NNE	11.9	2.6	1.7									15.9	3.1
NE	9.4	3.2	1.0	.3								13.3	3.5
ENE	4.2	.6	.7	.3								5.3	3.6
E	2.6	.3	.3									3.2	3.1
ESE	.6											.6	1.5
SE		.6										.6	5.8
SSE	.6	.6										1.2	3.3
S	1.7											1.3	2.3
SSW		.6										.3	5.9
SW	1.6											1.0	2.6
WSW													
W		.6		.2								1.3	7.3
WNW	1.7		.7									1.0	3.2
NW	2.3	.3										2.0	2.1
NNW	7.5	.6										4.2	2.8
VARBL													
CALM												34.0	
	4.0	1.2	4.2	1.0								170.2	2.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 111 STATION NAME: POINT MUGU, CALIFORNIA YEARS: 73-74 MONTH: OCT
CLASS: ALL WEATHER HOURS (L.S.T.): 07
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	10.4	3.6	.6									14.6	2.6
NNE	12.4	1.6	.3									14.5	2.4
NE	11.7	3.2	1.3	1.3	.3							15.6	4.4
ENE	1.2	1.7	1.0	.6	.3							6.1	3.4
E	2.3	.3										2.6	2.4
ESE	.4											.6	1.5
SE	.7	.3										.6	4.7
SSE	.4	.3										1.0	2.7
S	.1	.7										.4	3.5
SSW	.7	.3										.6	3.5
SW													
WSW			.7									.3	7.0
W	1.0	1.0	.7	.3								2.6	5.4
WNW	.7	.3	.3									1.0	5.0
NW	1.7	1.0										2.3	3.4
NNW	1.2	.6										3.0	2.6
VARBL													
CALM												32.4	
	44.5	13.9	4.2	2.3	.6							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

111
STATION

POINT MICH, CALIFORNIA
STATION NAME

73-72
YEARS

OCT
MONTH

ALL WEATHER
CLASS

17
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.2			.6								1.0	9.7
NE	.2		1.7	2.3	.6	.3	.3					5.2	13.7
ENE	.3			1.3	.3							1.9	12.2
E			.2									.3	13.0
ESE	.3	.6	.7									1.3	5.5
SE	1.0	2.3	1.3	.3								4.9	5.7
SSE	3.3	5.4	2.9		.3							11.3	5.8
S	4.5	6.5	1.0									12.0	4.2
SSW	1.7	1.6										2.9	4.7
SW	2.1	1.0										3.6	3.0
WSW	1.7	1.7	.7									3.6	4.1
W	2.1	12.6	6.1	1.0								27.8	5.0
WNW	2.3	1.6	.3		.3							5.2	4.5
NW	1.7	.6	.7									2.6	4.6
NNW	.7	.3										1.0	3.3
VARBL													
CALM												15.4	
	27.2	35.0	14.6	5.5	1.6	.3	.3					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

379

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 111 POINT MUGU, CALIFORNIA STATION NAME: 73-82 YEARS: 1973-82
CLASS: ALL WEATHER
CONDITION: 17
HOURS (L.S.T.): 17

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.3								.3	13.0
NNE					.6							.6	18.5
NE			.7	1.6	.3							2.6	12.5
ENE				.7	.3							.6	15.5
E													
ESE													
SE			.7									.7	7.0
SSE	.7	.3	.3		.6							1.6	10.5
S	1.0	3.2	3.0	1.3								10.3	6.5
SSW	.6	5.5	2.2	.3								9.4	6.0
SW	1.0	4.2	1.2									7.1	5.6
WSW	1.7	8.1	3.2	.6								13.2	5.9
W	1.3	14.5	23.2	3.9	1.3							46.8	7.5
WNW		2.3	2.5	.6								5.5	7.5
NW	.6		.3									1.0	4.7
NNW													
VARBL													
CALM												.6	
	7.1	40.0	40.0	9.0	1.2							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

111
STATION

POINT MUSE, CALIFORNIA
STATION NAME

77-77
YEARS

007
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.1			.3								.2	5.0
NE			.1	1.0	.6							1.9	14.5
ENE													
E													
ESE													
SE													
SSE		1.0	.3	.3								1.9	6.5
S	1.0	1.0	.3									2.3	4.4
SSW	1.0	1.0	1.0									4.0	4.5
SW	1.0	5.0	.3									7.1	4.6
WSW	1.0	6.0	1.3									10.1	4.6
W	5.0	27.1	16.5	2.9	1.0							49.7	6.5
WNW	1.0	5.0	7.5	1.0	.3							17.2	7.1
NW	.3	1.0	.4									2.6	5.0
NNW		1.0										1.0	4.7
VARBL													
CALM												1.0	
	14.0	47.4	28.6	6.2	1.0							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

308

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

111 STATION POINT MUD, CALIFORNIA 73-92 YEARS OCT
STATION NAME NORTH
ALL WEATHER CLASS 19
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.7	1.4	.3									10.0	3.7
NNE	.7	.7		.7								1.7	4.7
NE	1.7	1.7	.6									2.9	4.4
ENE	.7	.7										.6	7.0
E	.7											.6	2.5
ESE	.7											.3	1.0
SE		.7	.7									.6	7.0
SSE	1.0	.3										1.7	2.5
S	1.7	1.7										2.3	3.6
SSW	.7											.3	1.0
SW	1.7	.3										1.6	2.6
WSW	2.3	.3	.7									2.9	2.7
W	.7	3.0	2.7	1.1	.3							9.4	6.4
WNW	.2	3.7	1.3	1.7								10.6	5.1
NW	.1	3.7	.6									12.3	3.5
NNW	7.4	2.7	.3									10.4	2.9
VARBL													
CALM												32.6	
	3.7	10.7	6.0	2.3	.3							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION POINT MUGO, CALIFORNIA YEARS 73-74 MONTH OCT
STATION NAME ALL WEATHER CLASS 27
CONDITION HOURLY (LST)

SPEED (KTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.4	2.0	0.3									11.0	2.9
NNE	4.8	1.6										6.5	2.8
NE	3.9	0.5	0.3	1.6								6.5	2.7
ENE	1.6											1.6	2.4
E	1.0											1.0	1.7
ESE	0.6	0.3										1.0	3.7
SE	0.6	0.0		0.3								1.0	5.8
SSE		1.7	0.7	0.3								1.6	7.2
S	1.0	1.0	0.6									2.6	4.5
SSW	0.3	0.4										0.6	4.0
SW	0.3	0.3										0.6	4.5
WSW	1.7											1.0	2.3
W	0.3	0.6	0.3	0.6								1.0	5.7
WNW	2.9	2.3	0.6	0.3	0.3							6.5	5.1
NW	0.5	2.6										7.1	3.1
NNW	0.7	5.0	0.3									14.2	3.0
VARBL													
CALM												52.9	
	41.3	19.4	2.0	3.2	0.3							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 111 STATION NAME POINT Mugu, CALIFORNIA YEARS 73-74 MONTH OCT
CLASS ALL WEATHER HOURS (LST) ALL
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.7	.3	.1								7.1	3.0
NNE	4.5	1.1	.7	.2	.1							6.1	3.3
NE	3.1	1.3	.4	1.1	.2	.1	.1					7.4	5.7
ENE	1.7	.2	.2	.3	.1							2.7	5.0
E	1.1	.1	.1									1.4	2.7
ESE	.1	.1	.1									.7	3.4
SE	.2	.1	.4	.1								1.4	5.7
SSE	.1	1.2	.5	.1	.1							2.3	5.4
S	1.1	1.4	.3	.2								4.0	4.4
SSW	.1	1.3	.5	.2								2.3	5.1
SW	1.1	1.4	.7									2.7	4.3
WSW	1.1	2.2	.7	.1								4.1	4.3
W	3.4	7.3	4.3	1.3	.3							17.6	6.5
WNW	.1	2.3	1.7	.4	.1							5.2	5.8
NW	.1	1.3	.4									4.0	3.3
NNW	.1	1.4	.1									5.2	2.9
VARBL													
CALM												23.1	
	33.0	21.4	14.2	3.6	1.0	.1	.7					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 2477

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION POINT MUGN, CALIFORNIA YEARS 1912

STATION NAME ALL WEATHER CLASS

CONDITION

HOURLY OBS.

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	4.3	.7									14.7	7.0
NNE	11.7	3.7	1.7									15.7	6.2
NE	7.7	3.3	4.7	1.7	.3							17.7	5.3
ENE	4.7	.7	2.7	1.7								8.7	4.4
E	1.7	2.7		1.7								4.7	3.3
ESE	1.7											1.7	2.7
SE	.7		.7	.3								1.7	7.7
SSE		.7										.7	5.7
S													
SSW	.7											.7	2.7
SW		.7	.3		.3							1.3	2.3
WSW	.3											.3	2.3
W		1.7		.3								1.3	6.3
WNW	1.7	.3		1.7								2.7	5.6
NW	.7											.7	2.3
NNW	7.7	3.3										7.7	3.3
VARBL													
CALM												23.7	
	43.3	19.7	8.0	5.3	.7							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 520

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 POINT MUD, CALIFORNIA 73-1 N 1
STATION NAME YEARS MONTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.7	.7									18.7	3.6
NNE	11.7	4.7	1.7									18.7	3.2
NE	11.7	3.3	.7	1.7	.7							19.7	4.4
ENE	.7	1.7	4.7	1.3	.3	.3						4.7	7.6
E	.7	.7	.7	1.3								5.7	5.7
ESE	.7	.7										1.0	7.0
SE													
SSE	.7	.3										.7	6.5
S													
SSW													
SW	.7											.7	7.6
WSW		.7			.7							.7	13.0
W	.7	.7	.7	.7								2.7	7.0
WNW	1.7	.3	.7	.7								3.7	5.4
NW	1.7	.3										3.7	2.0
NNW	.7	2.7										4.7	3.4
VARBL													
CALM												16.7	
	4.7	20.7	10.0	4.7	1.0	.7						100.7	3.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION POINT MUGGER, CALIFORNIA YEARS 73-81 MONTH NOV
STATION NAME POINT MUGGER CLASS FL - WEATHER HOURS (L & T) 00
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	11.7	2.7	.7									15.0	3.2
NNE	11.7	5.7	1.7									17.0	3.2
NE	.7	3.7	1.7	1.7	1.7							12.0	6.2
ENE	.7	.7	.7	3.7								10.0	1.5
E	1.7	1.7	.7	1.7								3.7	6.6
ESE	.7											.7	1.7
SE													
SSE		.7										.7	.7
S	.7			.7								1.7	1.7
SSW													
SW													
WSW			.7			.7						.7	17.7
W	.7	.7	.7	.3								1.7	6.8
WNW	.7	.7	.7									1.7	4.7
NW	1.7											2.7	2.7
NNW	4.7	1.7	.7									6.7	2.7
VARBL													
CALM												19.7	
	41.7	21.7	7.7	6.3	1.3	.7						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

4
1725
1468442

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION POINT MALL, CALIFORNIA STATION NAME POINT MALL YEARS 1961-1962 MONTH 1
CLASS 1 HOURS (LST) 1
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7		.7								1.0	4.1
NNE	.7	.7	.7									.6	4.1
NE	1.0	.7	1.7	4.3	.7	.7						7.0	11.4
ENE	1.0	1.0	7.7	2.0	.3	.5						6.0	8.1
E	.7		1.0	1.7	.7							5.0	6.0
ESE	.7	1.0	.7									.6	4.0
SE	.7	1.0	1.0									3.0	7.0
SSE	1.0	1.0	1.0									3.0	5.0
S	.7	.7	1.7									7.0	6.0
SSW	.7	.7										4.0	5.0
SW	.7	.7	.7									3.0	4.0
WSW	.7	.7										1.0	3.0
W	.7	.3	2.0	.7								3.0	4.0
WNW	.7	1.0	.7		.7							4.0	6.0
NW	.7	.7										2.0	2.0
NNW	.7	1.0										.0	2.0
VARBL													
CALM												1.0	
	3.0	2.0	14.0	7.0	2.3	.7						1.0	4.0

TOTAL NUMBER OF OBSERVATIONS 12

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION POINT MUD, CALIFORNIA YEARS 73-74 MONTH NOV
STATION NAME ALL WEATHER CLASS 17
CONDITION HOURLY (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE				.7	.3							.7	17.5
NE	.7	.7	1.3	2.3	.7		.3					5.7	12.0
ENE			.7	1.3		.7						2.3	13.6
E			.7	1.7								1.7	12.7
ESE	.7	.7	.7									1.7	6.3
SE		.3	1.7	1.7								2.3	7.4
SSE		.7	7.7									4.7	7.4
S	.7	3.7	6.7	.3								12.7	6.5
SSW	1.7	4.7	1.7									6.7	4.9
SW	.7	2.7	1.7									4.7	4.3
WSW	.7	7.7	1.7									8.7	5.3
W	4.7	21.3	13.7	3.7		.7						41.3	6.5
WNW	.7	.7	3.7	1.7								5.7	8.1
NW	.7		.7									1.7	5.7
NNW													
VARBL													
CALM												1.7	
	1.7	40.3	33.3	17.7	1.0	.7	.3					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 700

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

111
STATION

POINT MUSE, CALIFORNIA
STATION NAME

73-74
YEARS

NOV
MONTH

ALL WEATHER
CLASS

14
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.3										1.7	2.0
NNE			.7	.3								.7	10.5
NE	.7		.7	1.7								2.0	7.8
ENE	.7		.7	.3	.7							1.7	13.0
E													
ESE													
SE		.7	1.7									1.7	6.6
SSE	.7	.5	1.7									2.0	5.5
S	1.7	4.7	1.7									6.7	5.3
SSW	1.7	1.7	.3									3.0	3.6
SW	.7	2.3										3.0	7.3
WSW	3.3	7.7	1.7	1.0								8.7	5.0
W	1.7	14.7	7.7	2.7	1.3							30.7	5.9
WNW	4.7	12.7	3.7	.3		.7						21.0	7.3
NW	1.7	3.7	1.7									5.7	5.1
NNW	.7	1.7										1.7	3.6
VARBL													
CALM												3.0	
	21.0	43.0	13.7	5.0	2.0	.3						100.7	6.4

TOTAL NUMBER OF OBSERVATIONS 200

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION POINT MUGU, CALIFORNIA STATION NAME 73-02 YEARS NOV
ALL WEATHER NORTH 10
 CLASS 10
 HOURS (L.S.T.) 10
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.7										10.0	2.6
NNE	4.7	1.7	1.7	.7								8.4	4.5
NE	4.4	1.7	1.7	1.7								10.4	4.2
ENE	2.7	.7	.7	.7	.3							5.8	5.8
E	2.7											2.7	2.3
ESE	1.7	.7										2.7	3.0
SE	1.7	1.7										2.7	3.4
SSE	1.7											1.7	2.3
S		.7	.7									.7	6.5
SSW	1.7		.7									1.7	3.5
SW	1.7	.7										1.7	3.0
WSW	.7	.7										.7	4.7
W	1.7	1.7	1.7	1.7								6.7	7.4
WNW	4.7	3.7	.3	1.7								6.7	5.4
NW	2.7	1.7		.7								5.8	3.5
NNW	2.7	2.7										11.7	2.5
VARBL													
CALM												23.4	
	44.5	10.1	5.7	6.7	.7							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 209

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0111 STATION NAME POINT HUGH, CALIFORNIA YEARS 13-97
CLASS ALL WEATHER
CONDITION
MONTH NOV
HOURS (LST) 22

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	11.7	4.7	.7									19.7	3.4
NNE	.7	4.7	1.7	.3								11.7	4.1
NE	.7	3.7	1.7	1.3	.7							10.3	6.5
ENE	1.7	.3	1.7	2.7								5.3	6.5
E	.3	.3	.7									3.3	4.1
ESE	1.7	.3	.3									2.7	3.1
SE		.7	.7									1.0	5.7
SSE	.7											.7	1.5
S	.7			.3								1.7	6.7
SSW	.7			.7								1.7	8.0
SW	.7											.7	3.0
WSW	.7	.3										1.0	3.3
W		.7	.3	.7								1.7	9.2
WNW	.7	1.7	1.3	.7								5.7	6.0
NW	1.7	.3	.7									2.3	3.4
NNW	.7	.3										16.0	2.2
VARBL													
CALM												17.7	
	47.7	26.7	8.3	6.0	.7							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

111
STATION

POINT MUGU, CALIFORNIA

STATION NAME

73-72

YEARS

NOV

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.7	4.1	.7	.0								11.6	3.3
NNE	5.9	2.9	.9	.2	.7							9.7	3.7
NE	4.6	2.1	1.9	1.6	.5	.7	.0					10.8	4.4
ENE	1.7	.5	2.7	1.6	.2	.7						6.9	6.2
E	1.0	.5	.4	.7	.1							3.2	6.3
ESE	.9	.3	.1									1.3	3.6
SE	.9	.5	.9	.2								1.4	6.6
SSE	.5	.5	.8									1.7	5.5
S	1.0	1.4	1.2	.1								3.7	5.7
SSW	.0	1.0	.2	.1								2.1	4.3
SW	1.0	.9	.2		.7							2.0	4.2
WSW	.5	1.0	.3	.1	.7	.7						2.7	5.4
W	2.7	5.3	3.1	1.2	.2	.7						12.6	5.2
WNW	2.7	2.5	1.2	.7	.0	.0						6.5	5.7
NW	1.7	.8	.7	.0								2.0	3.6
NNW	4.4	2.5	.0									6.9	3.1
VARBL													
CALM												14.8	
	36.9	27.8	13.7	6.6	1.1	.7	.0					100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

2399

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION POINT MUGO, CALIFORNIA STATION NAME 73-42 YEARS DEC
MONTH 01
HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	12.4	4.2	1.0	.3								18.4	3.1
NNE	7.1	4.5	1.0	.3	.3							13.2	4.1
NE	5.5	3.9	4.5	1.3	.6	.3						17.1	6.5
ENE	2.4	.3	2.3	1.9	.6							8.1	8.0
E	1.4	.6	.3	.3								2.6	5.1
ESE	.3		1.0									1.3	6.0
SE	.3	.3	.3	.3								1.3	8.0
SSE	1.0	1.6	.3									2.9	4.2
S		.3	.6									1.0	6.7
SSW			.3									.3	2.0
SW													
WSW	.3											.3	3.0
W	.3	1.0			.3							1.8	5.8
WNW	1.0	.3	.6	.3	.3							2.8	5.7
NW	1.4	.3										1.6	2.8
NNW	4.2	1.0	.3									6.5	3.6
VARBL													
CALM												20.5	
	40.0	12.4	12.6	4.8	2.3	.3						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 0111 POINT MUD, CALIFORNIA YEARS: 73-82 MONTH: DEC
CLASS: ALL WEATHER HOURS (L.S.T.): 34
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	11.0	5.2	.6									16.8	3.1
NNE	7.7	4.2	2.7	.3								15.5	4.0
NE	6.4	2.5	3.1	2.3	.6	.1						17.7	6.4
ENE	6.3	2.6	1.6	2.6	.8							11.0	5.6
E	5.1	.8	1.1									4.5	3.8
ESE	.1	.2	.3	.3								1.3	6.8
SE			.1	.3								.6	9.0
SSE				.2								.3	12.0
S		.1	.5									1.0	7.3
SSW	.1		.1									.6	1.5
SW	.1											.5	2.5
WSW	.1											.6	2.0
W		1.1										1.3	5.3
WNW	.1	.3	.1	.3	.3							1.6	7.6
NW	1.4	1.1	.3									2.9	3.7
NNW	2.1	1.4										4.5	3.2
VARBL													
CALM												19.5	
	41.3	20.3	11.3	6.5	1.3	.3						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 111 STATION NAME POINT MUGU, CALIFORNIA YEARS 73-77 MONTH DEC

CLASS ALL WEATHER

CONDITION

HOURS (LST) 27

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	12.0	7.1	.6									29.6	3.1
NNE	6.5	6.8	1.4	.3	.3							15.6	4.4
NE	4.0	1.9	7.2	1.3	.6							11.9	6.5
ENE	2.3	1.0	1.0	3.9	.6	.3						11.0	5.2
E	2.0	.5	1.0									4.2	3.7
ESE	1.7			.7								1.5	4.4
SE		.4		.3								1.0	5.7
SSE			.4									.6	7.5
S	.4	1.3	.3									2.3	4.4
SSW	.4	.3	.7									1.7	4.3
SW													
WSW	.7		.7									.6	5.5
W	.2	1.3										1.5	4.0
WNW	.7	1.5		.3								1.9	5.2
NW	1.0	.3		.3								1.5	4.6
NNW	2.0	1.0	.7									5.2	3.4
VARBL													
CALM												18.7	
	31.0	25.2	10.6	6.8	1.6	.7						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0111 STATION NAME POINT MUEL, CALIFORNIA YEARS 73-74 DEC 10
STATION 0111 STATION NAME POINT MUEL, CALIFORNIA YEARS 73-74 MONTH 10
CLASS ALL WEATHER
CONDITION
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.8	7.2	.3									11.7	3.0
NNE	1.5	3.2	.6	.3								9.7	3.9
NE	1.9	1.9	3.6	2.3	1.9	.7						13.2	6.9
ENE	1.6	1.8	1.6	5.5	1.3	.7						12.0	11.1
E	7.7	1.3	1.7	1.0	.3							6.1	6.3
ESE	.4	1.7	.4									2.3	4.9
SE	.1	1.1	1.7									2.3	6.0
SSE		.4	1.0	.3								1.7	8.3
S	1.7	1.4	.6	.3								3.4	5.6
SSW	.7	1.7	.3									1.6	4.8
SW	.7											.1	2.0
WSW	1.7		.7									1.6	2.6
W	1.7	1.3	1.7	.3								3.4	6.1
WNW	1.3		.7	1.0								3.6	5.9
NW	1.4	1.3										4.0	2.7
NNW	1.0	1.0										3.9	3.3
VARB													
CALM												17.6	
	33.7	21.0	12.6	11.0	3.6	.6						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION POINT MUDU, CALIFORNIA YEARS 73-82 MONTH DEC
STATION NAME ALL WEATHER CLASS 17
CONDITION 17
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE				1.6	.3							1.9	14.2
NE			1.7	3.5	.6		.3					6.1	13.7
ENE				2.4	1.0	.7						4.1	15.3
E	.7			.6	.3							1.6	11.2
ESE	.4	1.0	1.0									2.3	5.9
SE	.4	1.3	.6	.3								2.6	6.8
SSE	.7	2.3	2.4	1.6								6.0	9.1
S	1.0	5.4	4.2	.3								14.9	5.2
SSW	1.7	5.2	1.0		.3							7.2	5.6
SW	.6	4.2	1.7									5.5	5.1
WSW	1.0	6.1		.2								7.4	4.5
W	5.2	11.7	10.0	1.0								27.1	5.9
WNW	.6	1.9	1.7	2.6	.3							6.5	6.8
NW	.7	.6	.3									1.6	5.8
NNW		.7										.6	4.5
VARBL													
CALM												3.2	
	10.3	42.6	23.5	14.8	2.9	.3	.3					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 317

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11 POINT MORN, CALIFORNIA 73-12
STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
MONTH 14
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7			.7								.7	6.0
NNE	.7	.4	.4	.6	.3							2.4	6.0
NE			.7	7.9	.3							4.3	13.7
ENE		.7	.7	.6	.6	.7						2.3	14.3
E			.7									.3	4.0
ESE			.7	.3								1.0	10.3
SE		1.7	1.7	.6								2.4	8.9
SSE		1.7	1.7									1.9	7.2
S	1.7	3.6	1.7	1.7								7.8	6.7
SSW	4.3	1.7	.6		.3							6.1	4.1
SW	7.4	1.9										4.5	3.2
WSW	1.7	1.7	.7	.3								3.9	4.1
W	7.7	17.3	2.3	.6	1.7							27.5	5.0
WNW	7.1	6.2	3.6	1.3								16.2	5.3
NW	7.7	3.9	.4	.3								7.4	4.3
NNW	1.7	.3		.7								1.9	4.5
VARBL													
CALM												3.1	
	57.4	33.7	14.6	10.4	2.6	.7						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION POINT MUD, CALIFORNIA STATION NAME 73-82 YEARS 010
MONTH 10
HOURS (L.S.T.) 10
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	.0									7.0	3.0
NNE	.0	.0	2.0	1.0								13.0	4.5
NE	.0	3.0	1.0	1.0	.3	.3						12.3	5.3
ENE	.0	2.0	1.0	1.0	.3	.3						8.7	5.3
E	.0	1.0	.0									5.0	3.4
ESE	.0	.0		.0								1.0	3.5
SE		.0	.0									1.0	4.0
SSE	.0	.0										1.0	3.7
S	.0	1.0										2.3	4.0
SSW	.0	.0		.0								1.0	7.7
SW		.0										.0	4.0
WSW	.0				.0							.0	1.0
W	.0	1.0	.0	.0								3.0	6.0
WNW	1.0	.0	1.0	.0								4.0	5.0
NW	2.0	1.0		.0								3.0	4.1
NNW	.0	1.0										2.0	3.1
VARBL													
CALM												24.0	
	3.0	2.0	4.1	1.0	1.0	.0						10.0	3.0

TOTAL NUMBER OF OBSERVATIONS 700

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION POINT MORGAN, CALIFORNIA STATION NAME POINT MORGAN YEARS 1950-51 DEC 1951
STATION POINT MORGAN, CALIFORNIA STATION NAME POINT MORGAN YEARS 1950-51 DEC 1951
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	10.7	3.0	1.0									15.7	3.4
NNE	5.0	4.0	2.0									11.0	4.2
NE	4.0	2.0	3.0	2.0								13.0	7.5
ENE	1.0	2.0	1.0	2.0								6.0	7.7
E	1.0	1.0	.0									3.0	8.0
ESE	1.0			.0								1.0	4.0
SE		.0	.0		.0							1.0	11.0
SSE	1.0	.0										1.0	3.3
S	.0	1.0										1.0	4.0
SSW													
SW		.0										.0	8.0
WSW	.0			.0								1.0	4.7
W	.0		.0	.0	.0							3.0	7.4
WNW	1.0	1.0	.0	.0								3.0	4.7
NW	2.0	.0										2.0	3.3
NNW	4.0	4.0										8.0	3.6
VARBL													
CALM												1.0	
	30.0	22.0	12.0	4.0	.0	.0						10.0	4.1

TOTAL NUMBER OF OBSERVATIONS 700

SMOS

4
725 74684432

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 STATION NAME PINE MOUNT, CALIFORNIA YEARS 1950-51
CLASS ALL WEATHER MONTH ALL
CONDITION HOURS (L S Y)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.1	0.1	0.1	0.1								11.0	7.0
NNE	0.1	0.4	1.0	0.6	0.7							10.7	7.0
NE	0.3	1.7	3.7	2.7	0.6	0.1	0.1					10.6	7.0
ENE	0.0	1.0	1.7	2.6	0.8	0.1						10.0	7.0
E	1.0	0.0	0.1	0.2	0.1							2.0	4.0
ESE	0.0	0.0	0.0	0.0								1.0	0.0
SE	0.1	0.0	0.0	0.0	0.0							1.0	7.0
SSE	0.0	0.0	0.0	0.0								0.1	7.0
S	0.0	0.0	1.0	0.7								4.0	5.0
SSW	0.0	1.0	0.0	0.0	0.1							0.0	5.0
SW	0.0	0.0	0.1									0.0	4.0
WSW	0.0	1.0	0.1	0.1	0.0							0.0	4.0
W	0.7	0.0	1.0	0.4	0.0							0.0	0.0
WNW	1.0	1.0	1.0	0.0	0.1							0.0	7.0
NW	0.0	1.0	0.0	0.1								0.0	7.0
NNW	0.0	0.0	0.0	0.0								0.0	7.0
VARBL													
CALM												10.0	
	0.0	0.0	1.0	0.0	0.0	0.0	0.0					1.0	4.0

TOTAL NUMBER OF OBSERVATIONS 2471

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION POINT MENDOCINO, CALIFORNIA STATION NAME POINT MENDOCINO YEARS 1961-1963

CLASS ALL WEATHER

CONDITION

NO. OF HOURS 1000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	1.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	1.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	1.0	2.0	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL													
CALM												10.0	
	2.0	6.0	17.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	10.0	4.5

TOTAL NUMBER OF OBSERVATIONS 10173

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11 1011 4 11, CALIFORNIA 13-42 YEARS 4LL MONTH 4LL HOUR (L.S.T.)

INSTRUMENT CLASS

CONDITION

010 200 TO 1400 FT W/VISBY 1/2 MI OR MORE

1400 W/VISBY 1/2 TO 2-1/2 MI W/OIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	2.0
NNE	.0	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.7	2.9
NE	.0	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	5.0	2.3
NNE	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.0	3.1
E	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7	3.0
ESE	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.6	5.4
SE	.0	1.0	.0	.4	.1	.0	.0	.0	.0	.0	.0	3.7	6.4
SSE	.0	1.0	1.0	.3	.1	.0	.0	.0	.0	.0	.0	4.0	6.2
S	.0	1.4	1.4	.5	.1	.0	.0	.0	.0	.0	.0	6.5	6.3
SSW	1.0	2.1	1.1	.1	.0	.0	.0	.0	.0	.0	.0	4.7	5.2
SW	1.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	4.8
WSW	1.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	4.6
W	2.0	6.6	7.7	.3	.0	.0	.0	.0	.0	.0	.0	14.1	5.3
WNW	.0	1.3	1.3	.2	.0	.0	.0	.0	.0	.0	.0	2.4	4.4
NW	.0	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.3	3.1
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	2.6
VARBL													
CALM												71.0	
	33.6	21.6	12.2	2.1	.5	.1	.0	.0	.0	.0	.0	110.7	3.6

TOTAL NUMBER OF OBSERVATIONS 1176

SMOS

[REDACTED]

[REDACTED]

[REDACTED]

NOCD, Federal Building
Asheville, N. C.

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By Month - all years and all hours combined
3. By Month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

Beginning in July 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were furnished for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: #2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

Clear converted to 0/10
Scattered converted to 3/10
Broken converted to 9/10
Overcast converted to 10/10
Obscured converted to 10/10

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUGO, CALIFORNIA

73-82

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.5	61.6	64.2	67.1	68.1	68.4	69.0	70.0	73.0	73.0	75.0	70.0	70.3	70.3	71.3	71.3
≥ 20000	44.2	64.2	67.1	71.3	71.3	71.3	72.3	73.2	73.2	73.2	73.2	73.2	73.6	73.6	73.6	73.6
IV 18000	44.2	64.2	67.1	71.3	71.3	71.3	72.3	73.2	73.2	73.2	73.2	73.2	73.6	73.6	73.6	73.6
IV 16000	44.2	64.2	67.1	71.3	71.3	71.3	72.3	73.2	73.2	73.2	73.2	73.2	73.6	73.6	73.6	73.6
IV 14000	44.5	64.5	67.7	71.0	71.9	72.3	73.2	74.2	74.2	74.2	74.2	74.2	74.5	74.5	74.5	74.5
IV 12000	44.5	64.5	67.7	71.0	71.9	72.3	73.2	74.2	74.2	74.2	74.2	74.2	74.5	74.5	74.5	74.5
IV 10000	47.2	65.8	69.0	72.3	73.2	73.6	74.5	75.5	75.5	75.5	75.5	75.5	75.8	75.8	75.8	75.8
IV 9000	45.2	65.0	69.0	72.3	73.2	73.6	74.5	75.5	75.5	75.5	75.5	75.5	75.8	75.8	75.8	75.8
IV 8000	45.2	65.0	69.0	72.6	73.6	73.9	74.8	75.8	75.8	75.8	75.8	75.8	76.1	76.1	76.1	76.1
IV 7000	45.5	66.5	71.0	73.2	74.2	74.5	75.5	76.5	76.5	76.5	76.5	76.5	76.8	76.8	76.8	76.8
IV 6000	45.5	66.5	71.0	73.2	74.2	74.5	75.5	76.5	76.5	76.5	76.5	76.5	76.8	76.8	76.8	76.8
IV 5000	46.1	67.1	70.7	73.9	74.8	75.2	76.1	77.1	77.1	77.1	77.1	77.1	77.4	77.4	77.4	77.4
IV 4500	46.2	68.7	72.3	75.5	76.5	76.8	77.7	78.7	78.7	78.7	78.7	78.7	79.0	79.0	79.0	79.0
IV 4000	47.1	67.4	72.3	75.2	77.1	77.4	78.4	79.4	79.4	79.4	79.4	79.4	79.7	79.7	79.7	79.7
IV 3500	47.1	67.7	73.2	76.5	77.4	77.7	78.7	79.7	79.7	79.7	79.7	79.7	80.0	80.0	80.0	80.0
IV 3000	47.1	71.7	74.2	77.4	78.4	78.7	79.7	80.7	80.7	80.7	80.7	80.7	81.0	81.0	81.0	81.0
IV 2500	47.1	71.9	75.5	78.7	79.7	80.7	81.7	81.9	81.9	81.9	81.9	81.9	82.3	82.3	82.3	82.3
IV 2000	47.1	73.3	77.4	81.3	82.3	82.6	83.6	84.5	84.5	84.5	84.5	84.5	84.8	84.8	84.8	84.8
IV 1800	47.1	74.5	78.1	81.9	82.9	83.2	84.2	85.2	85.2	85.2	85.2	85.2	85.5	85.5	85.5	85.5
IV 1500	47.1	75.2	79.7	83.9	85.8	86.1	87.1	88.1	88.1	88.1	88.1	88.1	88.4	88.4	88.4	88.4
IV 1200	47.1	75.5	80.7	84.8	86.8	87.1	88.4	89.4	89.4	89.4	89.4	89.4	89.7	89.7	89.7	89.7
IV 1000	47.1	75.1	82.3	86.5	88.7	89.0	90.3	91.3	91.3	91.3	91.3	91.3	91.6	91.6	91.6	91.6
IV 900	47.1	76.1	82.3	86.5	88.7	89.0	90.3	91.3	91.3	91.3	91.6	91.6	91.9	91.9	91.9	91.9
IV 800	47.1	76.5	82.9	87.1	89.4	90.3	91.3	92.3	92.3	92.3	92.6	92.6	92.9	92.9	92.9	92.9
IV 700	47.1	76.5	82.9	87.1	90.0	90.7	92.3	93.2	93.2	93.2	93.6	93.6	93.9	93.9	93.9	93.9
IV 600	47.1	76.5	82.9	87.1	90.0	90.7	92.3	93.2	93.2	93.2	94.2	94.2	94.5	94.5	94.5	94.5
IV 500	47.1	76.5	82.9	87.4	91.3	91.9	94.5	95.5	95.5	95.5	95.8	95.8	96.1	96.1	96.5	96.5
IV 400	47.1	76.8	83.9	88.4	92.3	92.9	95.5	96.5	96.5	96.5	96.8	96.8	97.1	97.1	97.7	97.7
IV 300	47.1	76.8	83.9	88.4	92.3	92.9	95.5	96.5	96.5	96.5	96.8	96.8	97.1	97.1	97.7	97.7
IV 200	47.1	76.8	83.9	88.4	92.3	92.9	95.5	96.5	96.5	96.5	97.1	97.1	97.4	97.4	98.1	98.1
IV 100	47.1	76.8	83.9	88.7	92.6	93.2	95.8	96.8	96.8	96.8	97.7	97.7	97.7	98.1	98.7	98.7
IV 0	47.1	76.8	83.9	88.7	92.6	93.2	95.8	96.8	96.8	96.8	97.7	97.7	97.7	98.1	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUEL, CALIFORNIA

STATION NAME

73-82

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)C4
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.3	61.0	64.2	64.5	67.1	67.1	67.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	69.7	69.4
≥ 20000	43.6	62.7	66.5	66.8	69.4	69.4	70.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.6	71.6
≥ 18000	43.6	63.2	66.8	67.1	69.7	69.7	70.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.9	72.3
≥ 16000	43.6	63.2	66.8	67.1	69.7	69.7	70.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.9	72.3
≥ 14000	43.6	65.2	69.0	69.4	72.3	72.3	73.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.5	74.8
≥ 12000	44.2	65.8	69.7	70.3	72.9	72.9	73.9	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.2	75.5
≥ 10000	44.2	66.5	71.3	71.7	73.5	73.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.8	76.1
≥ 9000	44.2	66.5	71.3	71.7	73.5	73.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.8	76.1
≥ 8000	44.2	66.5	71.3	71.7	73.5	73.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.8	76.1
≥ 7000	44.2	66.5	71.3	71.7	73.5	73.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.8	76.1
≥ 6000	44.2	67.4	71.9	72.3	75.2	75.2	76.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.4	77.7
≥ 5000	44.2	68.1	72.6	73.2	76.1	76.1	77.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.4	78.7
≥ 4500	44.5	68.7	73.2	73.9	76.8	76.8	77.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.0	79.4
≥ 4000	44.5	68.7	73.2	73.9	76.8	76.8	77.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.0	79.4
≥ 3500	45.5	70.3	74.8	75.5	78.4	78.4	79.4	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.7	81.1
≥ 3000	46.1	71.6	76.5	77.1	80.0	80.0	81.0	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.3	82.6
≥ 2500	45.1	72.6	77.7	78.7	81.6	81.6	82.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.9	84.2
≥ 2000	46.9	74.2	79.7	81.2	83.9	83.9	84.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.1	86.5
≥ 1800	46.8	74.2	79.7	81.2	83.9	83.9	84.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.1	86.5
≥ 1500	47.1	74.5	81.6	82.9	85.1	85.1	86.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.4	87.7
≥ 1200	47.1	74.5	81.6	82.9	85.1	85.1	86.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.4	87.7
≥ 1000	47.1	75.5	82.9	84.2	87.0	87.0	88.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.3	89.6
≥ 900	47.1	75.5	82.9	84.2	87.0	87.0	88.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.3	89.6
≥ 800	47.1	75.5	82.9	84.2	87.0	87.0	88.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.3	89.6
≥ 700	47.1	75.8	83.5	84.8	87.7	87.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.0	90.4
≥ 600	47.1	75.8	83.5	84.8	87.7	87.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.0	90.4
≥ 500	47.1	76.1	84.2	85.5	88.4	88.4	89.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.7	91.1
≥ 400	47.1	76.1	84.2	85.5	88.4	88.4	89.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.7	91.1
≥ 300	47.1	76.1	84.2	85.5	88.4	88.4	89.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.7	91.1
≥ 200	47.1	76.1	84.2	85.5	88.4	88.4	89.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.7	91.1
≥ 100	47.1	76.1	84.2	85.5	88.4	88.4	89.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.7	91.1
≥ 0	47.1	76.1	84.2	85.5	88.4	88.4	89.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.7	91.1

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGG, CALIFORNIA

STATION NAME

17-42

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	45.2	63.3	61.3	62.6	63.7	65.2	66.1	66.1	66.1	66.5	66.5	66.5	66.5	66.5	66.8	66.8
≥ 20000	47.3	63.2	64.8	66.1	67.4	68.7	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.7	70.7
18000	47.4	63.6	65.2	66.5	67.7	69.0	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	71.1	71.1
16000	47.4	63.6	65.2	66.5	68.1	69.4	70.7	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.3	71.3
14000	48.7	65.8	67.4	68.7	70.3	71.9	73.2	73.2	73.2	73.6	73.6	73.6	73.6	73.6	73.9	73.9
12000	48.7	65.8	67.4	68.7	70.3	71.9	73.2	73.2	73.2	73.6	73.6	73.6	73.6	73.6	73.9	73.9
10000	49.7	67.1	68.7	70.3	71.9	73.6	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.2	75.5	75.5
9000	49.7	67.4	69.1	70.7	72.3	73.9	75.2	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.8	75.8
8000	50.0	68.1	69.7	71.6	73.2	74.8	76.1	76.1	76.1	76.5	76.5	76.5	76.5	76.5	76.9	76.9
7000	50.2	68.7	70.3	72.3	73.9	75.5	76.8	76.8	76.8	77.1	77.1	77.1	77.1	77.1	77.4	77.4
6000	50.5	69.3	70.7	72.6	74.5	76.1	77.4	77.7	77.7	78.1	78.1	78.1	78.1	78.1	78.4	78.4
5000	51.7	70.3	72.3	74.4	76.1	78.1	79.4	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.3	80.3
4500	51.7	71.3	72.9	74.8	76.8	78.7	80.0	80.3	80.3	80.7	80.7	80.7	80.7	80.7	81.0	81.0
4000	51.7	71.3	73.6	75.5	77.4	79.4	80.7	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.6	81.6
3500	51.0	71.6	73.9	75.8	77.7	79.7	81.0	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.9	81.9
3000	51.4	72.0	75.2	77.1	79.2	81.3	82.6	82.9	82.9	83.2	83.2	83.2	83.2	83.2	83.6	83.6
2500	51.9	73.9	76.5	78.4	80.3	82.9	84.2	84.5	84.5	84.8	84.8	84.8	84.8	84.8	85.2	85.2
2000	52.9	76.1	79.1	81.0	82.9	85.5	86.8	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.7	87.7
1800	52.9	76.1	79.1	81.0	82.9	85.5	86.8	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.7	87.7
1500	53.2	77.7	81.3	83.9	85.9	88.7	91.1	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.6	92.6
1200	53.2	77.7	81.3	84.5	86.9	89.7	91.9	92.6	92.6	93.6	93.6	93.6	93.6	93.6	94.2	94.2
1000	53.2	78.4	81.9	85.2	87.4	90.3	93.2	93.9	93.9	94.8	94.8	94.8	94.8	94.8	95.2	95.2
900	53.2	78.4	81.9	85.2	87.4	90.3	93.2	93.9	93.9	94.8	94.8	94.8	94.8	94.8	95.2	95.2
800	53.2	78.4	81.9	85.2	87.4	90.3	93.2	93.9	93.9	94.8	94.8	94.8	94.8	94.8	95.2	95.2
700	53.2	78.4	82.3	85.5	87.7	90.7	93.6	94.2	94.2	95.2	95.2	95.2	95.2	95.2	95.5	95.5
600	53.2	78.4	82.3	85.5	87.7	90.7	93.6	94.2	94.2	95.2	95.2	95.2	95.2	95.2	95.5	95.5
500	53.2	78.4	82.3	85.5	88.1	91.3	94.5	95.2	95.2	96.1	96.1	96.1	96.1	96.1	96.5	96.5
400	53.2	78.4	82.3	85.5	88.7	91.9	95.2	95.8	95.8	96.8	96.8	96.8	96.8	96.8	97.1	97.1
300	53.2	78.4	82.3	85.5	88.7	91.9	95.2	95.8	95.8	96.8	96.8	96.8	96.8	96.8	97.1	97.1
200	53.2	78.4	82.3	85.5	88.7	91.9	95.2	95.8	95.8	97.1	97.1	97.1	97.1	97.1	97.4	97.4
100	53.2	78.4	82.3	85.5	88.7	91.9	95.2	95.8	95.8	97.1	97.1	97.1	97.1	97.1	97.4	97.4
0	53.2	78.4	82.3	85.5	88.7	91.9	95.2	95.8	95.8	97.1	97.1	97.1	97.1	97.1	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

510

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

STATION NAME

73-82

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.6	57.0	59.2	61.2	61.2	61.2	61.2	61.2	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 20000	41.5	61.8	64.7	65.7	67.1	67.1	67.1	67.1	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 18000	51.7	62.5	65.4	66.3	67.6	67.6	68.1	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 16000	52.1	63.1	66.3	67.0	68.3	68.3	68.6	68.6	68.6	68.6	68.9	68.9	68.9	68.9	68.9	68.9
IV 14000	53.4	65.1	68.1	68.9	71.6	71.2	71.5	71.5	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 12000	53.7	66.3	69.3	71.2	71.3	72.5	72.3	72.8	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 10000	54.7	64.0	70.9	71.8	74.1	75.1	75.4	75.4	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 9000	54.7	66.3	71.2	72.2	74.4	75.4	75.7	75.7	75.7	75.7	76.1	76.1	76.1	76.1	76.1	76.1
IV 8000	55.1	66.6	71.8	73.8	75.1	76.1	76.4	76.7	76.7	77.0	77.0	77.1	77.1	77.1	77.1	77.1
IV 7000	55.3	66.9	72.2	73.1	75.4	76.4	76.7	77.0	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 6000	56.1	69.6	72.8	73.8	76.1	77.1	77.4	77.7	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 5000	56.1	69.6	72.8	74.1	76.4	77.4	77.7	78.1	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 4500	57.6	71.2	74.4	75.7	78.7	79.0	79.3	79.6	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 4000	54.3	71.8	75.1	76.4	78.6	79.6	79.9	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 3500	56.6	71.1	76.4	77.7	79.9	80.9	81.2	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 3000	59.9	73.6	77.4	79.1	81.2	82.2	82.5	83.2	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 2500	57.2	74.3	78.3	80.3	82.5	83.5	83.8	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 2000	57.9	75.4	80.3	82.2	84.8	85.8	86.4	87.1	87.1	87.4	87.7	87.7	87.7	87.7	87.7	87.7
IV 1800	57.9	75.7	81.6	83.2	86.1	87.1	87.7	88.4	88.4	88.7	89.1	89.1	89.1	89.1	89.1	89.1
IV 1500	57.5	77.7	81.9	84.5	88.1	89.6	90.6	91.3	91.3	91.9	92.2	92.2	92.2	92.2	92.2	92.2
IV 1200	61.2	77.0	83.5	86.1	89.6	91.6	92.6	93.2	93.2	93.9	94.2	94.2	94.2	94.2	94.2	94.2
IV 1000	61.2	77.0	83.5	86.1	89.6	92.2	93.5	94.2	94.2	94.8	95.2	95.2	95.2	95.2	95.2	95.2
IV 900	61.2	77.0	83.5	86.1	89.6	92.2	93.5	94.2	94.2	94.8	95.2	95.2	95.2	95.2	95.2	95.2
IV 800	61.2	77.0	83.5	86.1	89.6	92.2	93.5	94.2	94.2	94.8	95.2	95.2	95.2	95.2	95.2	95.2
IV 700	61.2	77.0	83.5	86.1	89.6	92.2	93.5	94.2	94.2	94.8	95.2	95.2	95.2	95.2	95.2	95.2
IV 600	61.2	77.0	83.5	86.1	89.6	92.2	93.5	94.2	94.2	94.8	95.2	95.2	95.2	95.2	95.2	95.2
IV 500	61.2	77.0	84.1	87.4	90.6	93.5	95.2	95.8	95.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4
IV 400	61.2	77.0	84.1	87.4	90.6	94.2	95.8	96.4	96.4	97.7	98.4	98.4	98.4	98.4	98.4	98.4
IV 300	61.2	77.0	84.1	87.4	91.3	94.8	96.4	97.1	97.1	98.7	99.4	99.4	99.7	99.7	99.7	99.7
IV 200	61.2	77.0	84.1	87.4	91.3	94.8	96.4	97.1	97.1	99.1	99.7	99.7	100.0	100.0	100.0	100.0
IV 100	61.2	77.0	84.1	87.4	91.3	94.8	96.4	97.1	97.1	99.1	99.7	99.7	100.0	100.0	100.0	100.0
IV 0	61.2	77.0	84.1	87.4	91.3	94.8	96.4	97.1	97.1	99.1	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

309

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUD, CALIFORNIA

STATION NAME

13-82

YEARS

JAN

MONTH

1

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	45.2	54.2	56.5	57.7	59.7	59.7	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 20000	51.3	62.3	65.8	67.4	69.4	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 18000	51.3	62.4	66.8	68.4	70.3	70.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 16000	51.3	62.4	66.8	68.4	70.3	70.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 14000	52.3	63.4	67.7	69.7	71.6	71.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 12000	52.3	64.0	68.7	70.7	72.9	72.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 10000	53.3	66.5	70.7	72.9	74.8	75.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 9000	53.3	66.4	71.0	73.2	75.2	75.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 8000	54.2	67.1	71.3	73.6	75.5	75.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 7000	54.5	67.7	71.9	74.2	76.1	76.5	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 6000	55.2	68.4	72.6	74.8	76.8	77.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 5000	55.5	68.0	73.2	75.5	77.4	77.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 4500	55.7	68.7	73.9	76.3	78.4	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 4000	55.7	68.7	73.9	76.3	78.4	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 3500	56.1	70.0	74.2	76.8	78.7	79.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 3000	56.5	70.7	74.8	77.4	79.4	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 2500	57.1	71.5	76.1	78.7	80.7	81.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 2000	57.7	74.2	79.7	82.3	85.2	86.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 1800	57.7	74.2	79.7	82.3	85.2	86.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 1500	58.0	75.8	82.6	85.2	88.4	89.7	91.6	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1200	58.3	77.1	83.2	85.8	89.7	90.7	92.6	92.6	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1000	58.3	77.7	83.9	86.8	90.3	92.3	94.2	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 900	58.3	77.7	83.9	86.8	90.3	92.3	94.2	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 800	58.3	78.4	84.5	87.7	91.3	93.2	95.2	95.2	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 700	58.3	78.4	84.5	87.7	91.3	93.2	95.2	95.2	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 600	58.3	78.4	84.5	87.7	91.3	93.2	95.2	95.2	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 500	58.3	78.4	84.5	87.7	91.3	93.2	95.2	95.2	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 400	58.3	78.4	84.5	87.7	91.3	93.2	95.2	95.2	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 300	58.3	78.4	84.5	87.7	91.3	93.2	95.2	95.2	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 200	58.3	78.4	84.5	87.7	91.3	93.2	95.2	95.2	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 100	58.3	78.4	84.5	87.7	91.3	93.2	95.2	95.2	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 0	58.3	78.4	84.5	87.7	91.3	93.2	95.2	95.2	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS

317

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

P. INT. HULL, CALIFORNIA

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	49.5	50.5	59.7	61.3	62.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 20000	49.7	50.3	59.3	60.7	61.7	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 18000	49.8	50.2	59.1	60.5	61.5	62.1	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 16000	49.9	50.1	59.0	60.4	61.4	62.0	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 14000	50.0	50.0	58.9	60.3	61.3	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 12000	50.1	50.0	58.8	60.2	61.2	61.8	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 10000	50.2	50.0	58.7	60.1	61.1	61.7	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 9000	50.3	50.0	58.6	60.0	61.0	61.6	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 8000	50.4	50.0	58.5	59.9	60.9	61.5	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 7000	50.5	50.0	58.4	59.8	60.8	61.4	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 6000	50.6	50.0	58.3	59.7	60.7	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 5000	50.7	50.0	58.2	59.6	60.6	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 4500	50.8	50.0	58.1	59.5	60.5	61.1	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 4000	50.9	50.0	58.0	59.4	60.4	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 3500	51.0	50.0	57.9	59.3	60.3	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 3000	51.1	50.0	57.8	59.2	60.2	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 2500	51.2	50.0	57.7	59.1	60.1	60.7	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 2000	51.3	50.0	57.6	59.0	60.0	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 1800	51.4	50.0	57.5	58.9	59.9	60.5	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 1500	51.5	50.0	57.4	58.8	59.8	60.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 1200	51.6	50.0	57.3	58.7	59.7	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 1000	51.7	50.0	57.2	58.6	59.6	60.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 900	51.8	50.0	57.1	58.5	59.5	60.1	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 800	51.9	50.0	57.0	58.4	59.4	60.0	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 700	52.0	50.0	56.9	58.3	59.3	59.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 600	52.1	50.0	56.8	58.2	59.2	59.8	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 500	52.2	50.0	56.7	58.1	59.1	59.7	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 400	52.3	50.0	56.6	58.0	59.0	59.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 300	52.4	50.0	56.5	57.9	58.9	59.5	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 200	52.5	50.0	56.4	57.8	58.8	59.4	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 100	52.6	50.0	56.3	57.7	58.7	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 0	52.7	50.0	56.2	57.6	58.6	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUDS, CALIFORNIA

STATION NAME

73-42

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS L E T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	47.7	74.5	64.2	48.5	66.1	66.1	69.4	68.4	68.4	55.7	48.7	61.7	63.7	65.7	65.7	65.7
IV 20000	47.7	64.5	67.7	71.7	71.9	71.9	72.3	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 18000	47.7	65.8	69.7	71.7	73.9	73.9	74.2	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 16000	47.7	65.8	69.7	71.7	73.9	73.9	74.2	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 14000	47.7	67.1	71.7	71.7	75.5	75.5	75.8	75.8	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 12000	47.7	67.7	71.7	74.5	76.5	76.5	76.8	76.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 10000	47.7	67.7	72.3	76.8	76.8	76.8	76.8	76.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 9000	47.7	67.7	74.2	77.1	76.8	76.8	76.8	76.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 8000	47.7	71.7	74.2	77.1	79.1	79.1	79.4	79.4	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 7000	47.7	71.7	75.2	77.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 6000	47.7	71.7	75.2	77.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 5000	47.7	71.7	77.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 4500	47.7	71.7	77.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 4000	47.7	71.7	77.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 3500	47.7	71.7	77.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 3000	47.7	71.7	77.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 2500	47.7	71.7	77.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 2000	47.7	71.7	77.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 1800	47.7	71.7	77.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 1500	47.7	71.7	77.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 1200	47.7	71.7	77.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 1000	47.7	71.7	77.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 900	47.7	71.7	77.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 800	47.7	71.7	77.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 700	47.7	71.7	77.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 600	47.7	71.7	77.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 500	47.7	71.7	77.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 400	47.7	71.7	77.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 300	47.7	71.7	77.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 200	47.7	71.7	77.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 100	47.7	71.7	77.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 0	47.7	71.7	77.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT HUNTS, CALIFORNIA

75-92

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	46.7	56.2	64.8	68.3	67.7	67.7	68.7	68.7	68.7	68.7	67.4	67.4	67.4	67.4	67.4	67.7
IV 20000	47.7	55.2	68.1	71.1	71.1	71.1	71.9	71.9	71.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 18000	47.7	55.2	69.0	71.0	71.9	71.9	72.9	72.9	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 16000	47.7	55.2	69.0	71.0	71.9	71.9	72.9	72.9	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 14000	47.7	57.4	71.0	72.1	73.9	73.9	74.8	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 12000	47.7	57.4	71.0	72.9	73.9	73.9	74.8	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 10000	47.7	57.4	71.0	73.0	74.5	74.5	75.5	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 9000	47.7	56.1	71.0	73.0	74.5	74.5	75.5	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 8000	47.7	56.1	72.3	74.2	75.2	75.2	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	77.1
IV 7000	47.7	56.1	72.3	74.2	75.2	75.2	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	77.1
IV 6000	47.7	56.1	72.3	74.2	75.2	75.2	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	77.1
IV 5000	47.7	56.1	72.3	74.2	75.2	75.2	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	77.1
IV 4500	47.7	56.1	72.3	74.2	75.2	75.2	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	77.1
IV 4000	47.7	56.1	72.3	74.2	75.2	75.2	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	77.1
IV 3500	47.7	56.1	72.3	74.2	75.2	75.2	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	77.1
IV 3000	47.7	56.1	72.3	74.2	75.2	75.2	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	77.1
IV 2500	47.7	56.1	72.3	74.2	75.2	75.2	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	77.1
IV 2000	47.7	56.1	72.3	74.2	75.2	75.2	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	77.1
IV 1800	47.7	56.1	72.3	74.2	75.2	75.2	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	77.1
IV 1500	47.7	56.1	72.3	74.2	75.2	75.2	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	77.1
IV 1200	47.7	56.1	72.3	74.2	75.2	75.2	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	77.1
IV 1000	47.7	56.1	72.3	74.2	75.2	75.2	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	77.1
IV 900	47.7	56.1	72.3	74.2	75.2	75.2	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	77.1
IV 800	47.7	56.1	72.3	74.2	75.2	75.2	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	77.1
IV 700	47.7	56.1	72.3	74.2	75.2	75.2	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	77.1
IV 600	47.7	56.1	72.3	74.2	75.2	75.2	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	77.1
IV 500	47.7	56.1	72.3	74.2	75.2	75.2	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	77.1
IV 400	47.7	56.1	72.3	74.2	75.2	75.2	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	77.1
IV 300	47.7	56.1	72.3	74.2	75.2	75.2	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	77.1
IV 200	47.7	56.1	72.3	74.2	75.2	75.2	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	77.1
IV 100	47.7	56.1	72.3	74.2	75.2	75.2	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	77.1
IV 0	47.7	56.1	72.3	74.2	75.2	75.2	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	77.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUD, CALIFORNIA

73-82

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.3	55.4	61.6	65.3	64.3	65.1	65.6	65.9	65.9	66.1	66.1	66.1	66.1	66.1	66.2	66.3
IV 20000	47.0	55.3	66.4	65.1	69.3	70.0	70.8	71.0	71.0	71.2	71.2	71.2	71.2	71.2	71.3	71.4
IV 18000	49.1	63.7	67.1	68.8	77.4	70.7	71.5	71.7	71.7	71.9	71.9	71.9	72.0	72.0	72.1	72.1
IV 16000	49.1	63.7	67.2	68.7	70.6	70.8	71.6	71.8	71.8	72.1	72.1	72.1	72.1	72.1	72.2	72.3
IV 14000	49.2	63.4	68.8	70.6	72.4	72.8	73.6	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.2
IV 12000	49.1	65.1	69.5	71.3	73.1	73.5	74.2	74.5	74.5	74.7	74.7	74.7	74.7	74.7	74.8	74.9
IV 10000	49.4	67.2	71.9	72.8	74.8	75.2	76.0	76.2	76.2	76.4	76.4	76.4	76.4	76.4	76.5	76.6
IV 9000	49.7	67.4	71.1	73.3	74.7	75.4	76.1	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.7	76.8
IV 8000	49.3	67.7	71.6	73.6	75.5	76.1	76.7	77.1	77.1	77.2	77.2	77.2	77.3	77.3	77.3	77.4
IV 7000	49.5	68.4	72.2	74.2	76.2	76.6	77.4	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	78.1
IV 6000	49.6	68.9	72.7	74.7	76.6	77.1	77.9	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.5	78.6
IV 5000	49.1	68.3	73.4	75.3	77.5	78.1	78.8	79.1	79.1	79.4	79.4	79.4	79.4	79.4	79.5	79.6
IV 4500	49.7	70.6	74.6	76.7	78.7	79.2	80.0	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.7	80.8
IV 4000	49.1	71.2	75.1	77.3	79.3	79.8	80.6	80.9	80.9	81.1	81.1	81.1	81.1	81.2	81.2	81.3
IV 3500	49.3	71.6	75.6	77.7	79.8	80.3	81.1	81.4	81.4	81.7	81.7	81.7	81.7	81.7	81.8	81.9
IV 3000	49.0	72.5	76.0	78.3	80.8	81.4	82.3	82.6	82.6	82.8	82.8	82.8	82.8	82.9	82.9	83.0
IV 2500	49.3	73.4	78.1	80.3	82.9	83.1	83.8	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.5	84.6
IV 2000	49.7	75.3	80.3	82.7	85.1	85.6	86.7	87.1	87.1	87.2	87.3	87.3	87.3	87.3	87.4	87.5
IV 1800	49.1	75.5	80.5	83.0	85.4	86.1	87.1	87.3	87.3	87.5	87.5	87.5	87.5	87.6	87.7	87.8
IV 1500	49.5	76.0	82.5	85.1	88.1	89.0	90.2	90.6	90.6	91.0	91.0	91.0	91.0	91.1	91.2	91.3
IV 1200	49.7	77.2	83.1	85.6	88.9	89.9	91.2	91.6	91.6	92.1	92.1	92.1	92.1	92.2	92.3	92.4
IV 1000	49.1	77.2	84.1	86.7	90.3	91.4	92.7	93.3	93.3	93.8	93.8	93.8	93.8	93.9	94.1	94.1
IV 900	49.1	77.9	84.0	86.7	90.4	91.5	92.9	93.3	93.3	93.9	93.9	93.9	93.9	94.0	94.1	94.1
IV 800	49.1	78.1	84.4	87.3	90.7	91.9	93.3	93.8	93.8	94.4	94.4	94.4	94.4	94.5	94.6	94.7
IV 700	49.1	78.3	84.6	87.6	91.2	92.3	94.0	94.5	94.5	95.1	95.2	95.2	95.2	95.3	95.4	95.5
IV 600	49.1	78.3	84.7	87.6	91.3	92.5	94.2	94.7	94.8	95.4	95.4	95.4	95.4	95.5	95.6	95.7
IV 500	49.3	78.3	85.1	88.4	91.9	93.1	95.2	95.7	95.8	96.4	96.5	96.5	96.5	96.7	96.8	96.9
IV 400	49.3	78.3	85.2	88.4	92.3	93.7	95.9	96.5	96.5	97.2	97.3	97.3	97.3	97.4	97.5	97.7
IV 300	49.3	78.6	85.4	89.5	92.6	94.0	96.3	96.9	96.9	97.8	97.9	97.9	98.1	98.1	98.3	98.4
IV 200	49.2	78.6	85.4	89.5	92.6	94.1	96.3	97.0	97.1	98.1	98.2	98.2	98.4	98.4	98.7	98.9
IV 100	49.2	78.6	85.4	89.5	92.7	94.2	96.4	97.1	97.1	98.2	98.2	98.4	98.4	98.7	98.8	99.1
IV 0	49.2	78.6	85.4	89.5	92.7	94.2	96.4	97.1	97.1	98.2	98.2	98.4	98.4	98.7	98.8	99.2

TOTAL NUMBER OF OBSERVATIONS

2477

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUD, CALIFORNIA

STATION NAME

13-82

YEARS

FLR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	44.7	63.1	65.3	66.3	69.2	70.2	71.6	71.6	71.6	71.6	72.7	72.7	72.7	72.7	72.7
≥ 20000	45.7	63.5	65.6	66.7	69.7	70.9	72.3	72.3	72.3	72.3	72.7	72.7	72.7	72.7	73.4
IV 18000	45.7	63.5	65.6	66.7	69.9	70.9	72.3	72.3	72.3	72.3	72.7	72.7	72.7	72.7	73.4
IV 16000	45.7	63.5	65.6	66.7	69.9	70.9	72.3	72.3	72.3	72.3	72.7	72.7	72.7	72.7	73.4
IV 14000	45.7	64.2	66.3	67.4	70.7	72.1	73.4	73.4	73.4	73.4	73.9	73.9	73.9	74.1	74.5
IV 12000	45.7	65.3	67.4	68.4	72.0	73.1	74.5	74.5	74.5	74.5	74.8	74.8	74.8	75.2	75.5
IV 10000	45.7	65.3	67.4	68.4	72.0	73.1	74.5	74.5	74.5	74.5	74.8	74.8	74.8	75.2	75.5
IV 9000	45.7	65.3	67.4	68.4	72.0	73.1	74.5	74.5	74.5	74.5	74.8	74.8	74.8	75.2	75.5
IV 8000	45.7	65.3	67.4	68.4	72.0	73.1	74.5	74.5	74.5	74.5	74.8	74.8	74.8	75.2	75.5
IV 7000	45.7	65.3	67.4	68.4	72.0	73.1	74.5	74.5	74.5	74.5	74.8	74.8	74.8	75.2	75.5
IV 6000	45.7	65.3	67.4	68.4	72.0	73.1	74.5	74.5	74.5	74.5	74.8	74.8	74.8	75.2	75.5
IV 5000	45.7	65.3	67.4	68.4	72.0	73.1	74.5	74.5	74.5	74.5	74.8	74.8	74.8	75.2	75.5
IV 4500	47.2	68.8	71.5	72.7	76.2	77.3	78.7	78.7	78.7	78.7	79.1	79.1	79.1	79.1	79.4
IV 4000	47.2	68.8	71.5	72.7	76.2	77.3	78.7	78.7	78.7	78.7	79.1	79.1	79.1	79.1	79.4
IV 3500	47.2	68.8	71.5	72.7	76.2	77.3	78.7	78.7	78.7	78.7	79.1	79.1	79.1	79.1	79.4
IV 3000	47.2	68.8	71.5	72.7	76.2	77.3	78.7	78.7	78.7	78.7	79.1	79.1	79.1	79.1	79.4
IV 2500	47.2	68.8	71.5	72.7	76.2	77.3	78.7	78.7	78.7	78.7	79.1	79.1	79.1	79.1	79.4
IV 2000	47.2	68.8	71.5	72.7	76.2	77.3	78.7	78.7	78.7	78.7	79.1	79.1	79.1	79.1	79.4
IV 1800	47.2	68.8	71.5	72.7	76.2	77.3	78.7	78.7	78.7	78.7	79.1	79.1	79.1	79.1	79.4
IV 1500	47.2	68.8	71.5	72.7	76.2	77.3	78.7	78.7	78.7	78.7	79.1	79.1	79.1	79.1	79.4
IV 1200	47.2	68.8	71.5	72.7	76.2	77.3	78.7	78.7	78.7	78.7	79.1	79.1	79.1	79.1	79.4
IV 1000	47.2	68.8	71.5	72.7	76.2	77.3	78.7	78.7	78.7	78.7	79.1	79.1	79.1	79.1	79.4
IV 900	47.2	68.8	71.5	72.7	76.2	77.3	78.7	78.7	78.7	78.7	79.1	79.1	79.1	79.1	79.4
IV 800	47.2	68.8	71.5	72.7	76.2	77.3	78.7	78.7	78.7	78.7	79.1	79.1	79.1	79.1	79.4
IV 700	47.2	68.8	71.5	72.7	76.2	77.3	78.7	78.7	78.7	78.7	79.1	79.1	79.1	79.1	79.4
IV 600	47.2	68.8	71.5	72.7	76.2	77.3	78.7	78.7	78.7	78.7	79.1	79.1	79.1	79.1	79.4
IV 500	47.2	68.8	71.5	72.7	76.2	77.3	78.7	78.7	78.7	78.7	79.1	79.1	79.1	79.1	79.4
IV 400	47.2	68.8	71.5	72.7	76.2	77.3	78.7	78.7	78.7	78.7	79.1	79.1	79.1	79.1	79.4
IV 300	47.2	68.8	71.5	72.7	76.2	77.3	78.7	78.7	78.7	78.7	79.1	79.1	79.1	79.1	79.4
IV 200	47.2	68.8	71.5	72.7	76.2	77.3	78.7	78.7	78.7	78.7	79.1	79.1	79.1	79.1	79.4
IV 100	47.2	68.8	71.5	72.7	76.2	77.3	78.7	78.7	78.7	78.7	79.1	79.1	79.1	79.1	79.4
IV 0	47.2	68.8	71.5	72.7	76.2	77.3	78.7	78.7	78.7	78.7	79.1	79.1	79.1	79.1	79.4

TOTAL NUMBER OF OBSERVATIONS

292

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUGO, CALIFORNIA

73-80

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)74
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.4	57.5	61.6	61.4	64.5	64.5	66.7	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 20000	41.1	57.2	62.4	63.1	66.3	67.1	68.8	69.5	69.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 18000	41.1	57.2	62.4	63.1	66.3	67.1	68.8	69.5	69.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 16000	41.1	57.2	62.4	63.1	66.3	67.1	68.8	69.5	69.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 14000	41.1	57.2	62.4	63.1	66.3	67.1	68.8	69.5	69.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 12000	41.5	57.9	63.1	63.8	67.4	68.1	69.9	70.6	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 10000	41.5	58.3	63.5	64.2	67.7	68.4	70.2	70.9	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 9000	41.5	58.3	63.5	64.2	67.7	68.4	70.2	70.9	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 8000	41.5	58.3	63.5	64.2	67.7	68.4	70.2	70.9	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 7000	41.5	58.3	63.5	64.2	67.7	68.4	70.2	70.9	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 6000	41.5	58.3	63.5	64.2	67.7	68.4	70.2	70.9	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 5000	41.5	58.3	63.5	64.2	67.7	68.4	70.2	70.9	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 4500	42.2	58.1	65.6	66.7	70.9	71.6	73.4	74.1	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 4000	42.2	58.1	65.6	66.7	70.9	71.6	73.4	74.1	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 3500	42.2	58.1	65.6	66.7	70.9	71.6	73.4	74.1	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 3000	42.2	58.1	65.6	66.7	70.9	71.6	73.4	74.1	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 2500	42.2	58.1	65.6	66.7	70.9	71.6	73.4	74.1	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 2000	44.3	65.4	73.8	75.2	79.4	80.5	82.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 1800	44.3	65.4	73.8	75.2	79.4	80.5	82.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 1600	44.3	65.4	73.8	75.2	79.4	80.5	82.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 1400	44.3	65.4	73.8	75.2	79.4	80.5	82.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 1200	44.3	65.4	73.8	75.2	79.4	80.5	82.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 1000	44.3	65.4	73.8	75.2	79.4	80.5	82.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 900	44.3	65.4	73.8	75.2	79.4	80.5	82.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 800	44.3	65.4	73.8	75.2	79.4	80.5	82.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 700	44.3	65.4	73.8	75.2	79.4	80.5	82.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 600	44.3	65.4	73.8	75.2	79.4	80.5	82.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 500	44.3	65.4	73.8	75.2	79.4	80.5	82.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 400	44.3	65.4	73.8	75.2	79.4	80.5	82.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 300	44.3	65.4	73.8	75.2	79.4	80.5	82.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 200	44.3	65.4	73.8	75.2	79.4	80.5	82.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 100	44.3	65.4	73.8	75.2	79.4	80.5	82.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 0	44.3	65.4	73.8	75.2	79.4	80.5	82.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3

TOTAL NUMBER OF OBSERVATIONS

232

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
POINT MUGO, CALIFORNIA

STATION NAME

73-82

YEARS

FLP
NORTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)7
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.2	55.2	55.7	55.7	57.1	58.9	59.6	60.6	60.6	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 20000	43.3	57.1	59.6	59.6	61.4	62.8	63.5	64.5	64.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 18000	43.3	57.5	59.9	59.9	61.4	63.1	63.8	64.9	64.9	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 16000	43.3	57.5	59.9	59.9	61.4	63.1	63.8	64.9	64.9	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 14000	43.6	58.9	61.4	61.4	62.8	64.5	65.3	66.3	66.3	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 12000	43.6	58.9	61.4	61.4	62.8	64.5	65.3	66.3	66.3	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 10000	44.1	59.6	62.1	62.1	63.5	65.6	66.3	67.4	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 9000	44.1	59.6	62.1	62.1	63.5	65.6	66.3	67.4	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 8000	44.7	60.3	62.8	62.8	64.2	66.3	67.1	68.1	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 7000	45.1	60.6	63.1	63.1	64.5	66.7	67.4	68.4	68.4	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 6000	45.1	60.6	63.1	63.1	64.5	66.7	67.4	68.4	68.4	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 5000	45.1	60.6	63.1	63.1	64.5	66.7	67.4	68.4	68.4	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 4500	45.4	62.7	64.2	64.2	65.6	68.1	68.8	70.2	70.2	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 4000	45.7	62.8	65.3	65.3	66.7	69.2	70.2	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3500	45.7	62.8	65.3	65.3	66.7	69.2	70.2	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3000	46.1	63.5	66.7	66.7	68.4	71.6	72.7	74.1	74.1	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 2500	47.2	64.9	68.1	68.1	69.9	73.1	74.1	75.5	75.5	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 2000	47.5	67.1	70.9	70.9	73.4	76.6	77.7	79.4	79.4	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 1800	47.5	67.4	71.3	71.3	73.8	77.0	78.0	79.6	79.6	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 1500	48.6	69.5	74.1	74.1	76.6	79.8	80.9	83.0	83.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1200	49.3	71.3	75.9	75.9	78.4	81.6	83.0	85.1	85.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1000	49.7	71.3	76.2	76.2	79.1	82.6	84.0	86.2	86.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 900	49.7	71.3	76.2	76.2	79.1	82.6	84.0	86.2	86.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 800	49.7	71.3	76.2	76.2	79.1	83.1	84.8	86.9	86.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 700	49.7	71.3	76.2	76.2	79.9	83.7	85.8	87.9	87.9	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 600	49.7	71.3	76.2	76.2	80.1	84.4	86.5	88.7	88.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 500	49.7	71.3	76.2	76.2	80.5	85.5	87.9	90.1	90.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 400	49.7	71.3	76.6	76.6	80.9	85.8	88.3	90.4	90.4	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 300	49.7	72.3	76.6	76.6	80.9	85.8	88.3	90.4	90.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 200	49.7	71.3	76.6	76.6	80.9	85.8	88.7	90.8	90.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 100	49.7	71.3	76.6	76.6	80.9	85.8	88.7	90.8	90.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 0	49.7	71.3	76.6	76.6	80.9	85.8	88.7	90.8	90.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0

TOTAL NUMBER OF OBSERVATIONS

192

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUGO, CALIFORNIA

73-82

FLE

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.3	51.4	53.9	56.5	57.8	58.5	58.9	59.2	59.2	59.2	59.6	59.6	59.6	59.6	59.6	59.6
≥ 20000	46.1	55.7	58.9	61.2	63.1	63.8	64.5	65.6	65.6	65.6	66.0	66.0	66.0	66.0	66.0	66.0
IV 18000	48.1	55.7	58.9	61.2	63.1	63.8	64.5	65.6	65.6	65.6	66.0	66.0	66.0	66.0	66.0	66.0
IV 16000	48.1	55.7	59.2	61.4	63.5	64.2	64.9	66.0	66.0	66.0	66.3	66.3	66.3	66.3	66.3	66.3
IV 14000	47.7	57.5	61.0	63.1	66.2	66.7	67.4	68.8	68.8	68.8	69.5	69.5	69.5	69.5	69.5	69.5
IV 12000	47.5	58.5	62.1	64.2	67.2	67.7	68.4	69.9	69.9	69.9	70.6	70.6	70.6	70.6	70.6	70.6
IV 10000	49.6	57.9	63.5	65.6	68.4	69.2	69.9	71.3	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0
IV 9000	49.6	59.9	63.5	65.6	68.4	69.2	69.9	71.3	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0
IV 8000	48.9	60.6	64.5	66.7	69.9	70.6	71.3	72.7	72.7	72.7	73.4	73.4	73.4	73.4	73.4	73.4
IV 7000	49.7	61.4	65.3	67.4	70.6	71.3	72.0	73.4	73.4	73.4	74.1	74.1	74.1	74.1	74.1	74.1
IV 6000	49.7	61.4	65.3	67.4	70.6	71.3	72.0	73.4	73.4	73.4	74.1	74.1	74.1	74.1	74.1	74.1
IV 5000	50.0	62.4	66.3	68.4	71.6	72.7	73.4	74.8	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5
IV 4500	50.4	62.8	66.7	69.2	72.3	73.4	74.1	75.5	75.5	75.5	76.2	76.2	76.2	76.2	76.2	76.2
IV 4000	50.7	63.1	67.0	69.5	73.1	74.1	74.8	76.2	76.2	76.2	77.3	77.3	77.3	77.3	77.3	77.3
IV 3500	50.7	63.1	67.0	69.5	73.1	74.1	74.8	76.2	76.2	76.2	77.3	77.3	77.3	77.3	77.3	77.3
IV 3000	50.7	63.8	68.4	70.6	74.5	75.5	76.2	77.7	77.7	77.7	78.0	78.7	78.7	78.7	78.7	78.7
IV 2500	51.1	64.9	69.5	72.3	75.5	76.6	77.3	78.7	78.7	78.7	79.4	80.1	80.1	80.1	80.1	80.1
IV 2000	51.8	66.3	70.9	73.6	77.7	79.4	80.9	82.3	82.3	82.3	83.0	83.7	83.7	83.7	83.7	83.7
IV 1800	51.8	66.7	71.3	74.1	78.0	79.8	81.2	82.6	82.6	82.6	83.3	84.0	84.0	84.0	84.0	84.0
IV 1500	53.2	68.4	73.4	76.2	80.5	82.6	84.4	85.8	85.8	85.8	86.5	87.2	87.2	87.2	87.2	87.2
IV 1200	53.6	67.5	74.5	77.3	81.6	84.0	85.8	87.2	87.2	87.2	87.9	88.7	88.7	88.7	88.7	88.7
IV 1000	53.6	70.2	75.5	78.4	82.6	85.5	87.6	89.4	89.4	89.4	90.1	90.8	90.8	90.8	90.8	90.8
IV 900	53.6	70.6	75.9	78.7	83.3	85.6	87.9	89.7	89.7	89.7	90.4	91.1	91.1	91.1	91.1	91.1
IV 800	53.6	70.9	76.2	79.1	83.3	86.9	89.7	90.8	90.8	90.8	91.5	92.2	92.2	92.2	92.2	92.2
IV 700	53.7	71.3	76.6	79.4	83.7	87.2	89.4	91.1	91.1	91.1	92.2	92.9	92.9	92.9	92.9	92.9
IV 600	53.7	71.6	77.7	80.5	85.5	89.0	91.5	93.3	93.3	93.3	94.3	95.0	95.0	95.0	95.0	95.0
IV 500	53.9	71.6	78.0	81.2	85.8	89.4	92.2	94.0	94.0	94.0	95.0	96.0	96.0	96.0	96.0	96.0
IV 400	53.9	71.6	78.0	81.2	86.2	89.7	92.6	94.7	94.7	94.7	96.8	97.5	97.5	97.5	97.5	97.5
IV 300	53.9	71.6	78.0	81.2	86.2	89.7	92.6	94.7	95.0	95.0	97.9	98.6	98.6	98.6	98.6	98.6
IV 200	53.9	71.6	78.4	81.6	86.5	90.1	92.9	95.0	95.4	95.4	98.2	98.9	98.9	98.9	99.3	99.3
IV 100	53.9	71.6	78.4	81.6	86.5	90.1	92.9	95.0	95.4	95.4	98.2	98.9	98.9	98.9	99.3	99.7
IV 0	53.9	71.6	78.4	81.6	86.5	90.1	92.9	95.0	95.4	95.4	98.2	98.9	98.9	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

82

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUGO, CALIFORNIA

73-82

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.8	53.9	57.5	59.9	63.1	63.5	64.5	64.5	64.5	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 20000	46.8	58.9	62.4	64.9	68.8	69.2	70.6	70.6	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 18000	47.2	59.6	63.1	65.6	69.5	69.9	71.3	71.3	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 16000	47.5	59.9	63.5	66.0	69.9	70.2	71.6	71.6	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 14000	48.2	61.4	64.9	67.4	71.3	71.6	73.1	73.1	73.1	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 12000	48.2	61.7	65.6	68.1	72.0	72.3	73.8	73.8	73.8	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 10000	48.6	62.4	66.7	69.5	73.4	73.8	75.2	75.2	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 9000	48.6	62.4	66.7	69.5	73.4	73.8	75.2	75.2	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 8000	48.9	63.1	67.4	70.6	74.5	74.8	76.2	76.2	76.2	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 7000	50.4	64.9	69.2	72.3	76.2	76.6	78.0	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 6000	50.4	64.9	69.2	72.3	76.2	76.6	78.0	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000	50.7	65.3	69.5	73.1	77.0	77.3	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4500	50.7	65.6	70.2	73.8	77.7	78.0	79.4	79.4	79.4	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 4000	51.1	66.0	70.6	74.1	78.4	78.7	80.1	80.1	80.1	80.9	81.2	81.2	81.2	81.2	81.2	81.2
≥ 3500	51.1	66.0	70.6	74.1	78.4	78.7	80.1	80.1	80.1	80.9	81.2	81.2	81.2	81.2	81.2	81.2
≥ 3000	52.1	66.8	73.4	77.3	81.6	81.9	83.3	83.3	83.3	84.1	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2500	52.5	67.5	74.1	78.4	83.0	83.3	84.8	84.8	84.8	85.5	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2000	53.6	71.3	76.6	80.9	85.8	86.2	87.6	87.6	87.6	88.3	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1800	53.6	71.3	77.0	81.2	86.2	86.5	87.9	87.9	87.9	88.7	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1500	53.6	71.6	78.4	83.0	87.9	88.7	90.1	90.1	90.1	90.8	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1200	53.6	72.0	79.1	83.7	89.4	90.1	91.5	91.5	91.5	92.2	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1000	53.9	72.7	79.8	84.4	90.1	91.1	92.6	92.6	92.6	93.3	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900	53.9	72.7	79.8	84.4	90.4	91.5	93.6	93.6	93.6	94.3	94.7	94.7	94.7	94.7	94.7	94.7
≥ 800	53.9	73.1	80.5	85.1	91.1	92.2	94.7	94.7	94.7	95.4	95.7	95.7	95.7	95.7	95.7	95.7
≥ 700	53.9	73.4	80.9	85.5	91.5	92.6	95.4	95.4	95.4	96.1	96.5	96.5	96.5	96.5	96.5	96.5
≥ 600	53.9	73.4	80.9	85.5	91.5	92.9	95.4	95.4	95.4	96.1	96.5	96.5	96.5	96.5	96.5	96.5
≥ 500	53.9	73.8	81.6	86.2	92.9	94.3	96.8	96.8	96.8	97.5	98.2	98.2	98.2	98.2	98.2	98.2
≥ 400	53.9	73.8	81.6	86.2	92.9	94.3	96.8	96.8	96.8	97.5	98.2	98.2	98.2	98.2	98.2	98.2
≥ 300	53.9	73.8	81.6	86.5	93.3	94.7	97.2	97.2	97.2	98.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	53.9	73.8	81.6	86.5	93.3	94.7	97.5	97.5	97.5	98.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	53.9	73.8	81.6	86.5	93.3	94.7	97.5	97.5	97.5	98.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	53.9	73.8	81.6	86.5	93.3	94.7	97.5	97.5	97.5	98.6	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

282

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

STATION NAME

73-82

YEARS

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	44.1	54.6	61.6	61.7	62.4	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 20000	47.5	61.3	66.7	66.8	69.5	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 18000	48.2	61.6	67.0	69.2	69.9	71.6	72.3	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 16000	49.6	61.0	67.4	69.5	70.2	72.0	72.7	72.7	72.7	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 14000	49.7	62.4	68.8	70.7	71.6	73.8	74.5	74.5	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 12000	50.3	63.1	69.5	72.0	72.7	74.8	75.5	75.5	75.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 10000	50.0	63.5	69.9	72.3	73.1	75.2	75.9	75.9	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 9000	50.0	63.5	69.9	72.3	73.1	75.2	75.9	75.9	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 8000	51.1	64.9	71.3	73.4	74.8	77.0	77.7	77.7	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 7000	51.5	65.6	72.3	74.8	75.9	78.0	78.7	78.7	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 6000	52.1	66.3	73.1	75.5	76.6	78.7	79.4	79.4	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 5000	52.5	67.4	74.1	76.6	77.7	79.8	80.9	80.9	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 4500	52.2	67.7	74.8	77.7	78.7	80.9	81.9	81.9	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 4000	52.5	67.7	74.8	77.7	78.7	80.9	81.9	81.9	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 3500	52.5	68.4	75.5	78.4	79.4	81.6	82.6	82.6	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 3000	53.2	68.8	75.9	78.7	80.1	82.3	83.3	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 2500	53.6	71.2	78.3	81.2	82.6	84.8	85.8	85.8	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 2000	53.1	71.6	79.8	83.7	85.1	87.6	89.7	89.7	89.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 1800	53.1	71.6	79.8	83.7	85.1	87.6	89.7	89.7	89.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 1500	54.6	73.4	81.6	85.5	86.9	90.4	91.8	91.8	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 1200	54.6	73.4	81.6	85.5	86.9	90.4	91.8	91.8	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 1000	54.6	73.4	81.6	85.5	86.9	90.4	91.8	91.8	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 900	54.6	73.4	81.6	85.5	86.9	90.4	91.8	91.8	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 800	55.1	73.4	82.6	86.5	88.3	91.8	93.3	93.3	93.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 700	55.0	73.4	83.0	86.9	88.7	92.2	93.6	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 600	55.0	73.4	83.3	87.2	89.0	92.6	94.3	94.7	94.7	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 500	55.1	73.4	83.3	87.2	89.0	92.6	94.3	95.0	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 400	55.0	73.4	83.3	87.9	89.7	93.3	95.4	96.1	96.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 300	55.1	73.4	83.7	88.3	90.4	94.8	96.1	97.2	97.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	55.0	73.4	83.7	89.3	91.4	94.8	96.3	97.2	97.2	99.3	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	55.0	73.4	83.7	89.3	90.4	94.8	96.1	97.2	97.2	99.3	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	55.0	73.4	83.7	89.3	90.4	94.8	96.1	97.2	97.2	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

202

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUGO, CALIFORNIA

73-32

FLB

MORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	45.7	58.9	62.4	64.2	66.3	66.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	68.1	68.1	68.4
≥ 20000	48.2	62.8	66.3	68.1	70.9	70.9	72.0	72.0	72.0	72.3	72.3	72.3	72.3	72.7	72.7	73.1
≥ 18000	48.2	62.8	66.3	68.1	71.3	71.3	72.3	72.3	72.3	72.7	72.7	72.7	72.7	73.1	73.1	73.4
≥ 16000	48.2	62.8	66.3	68.1	71.3	71.3	72.3	72.3	72.3	72.7	72.7	72.7	72.7	73.1	73.1	73.4
≥ 14000	48.6	63.5	67.0	68.8	72.3	72.3	73.4	73.4	73.4	73.8	73.8	73.8	73.8	74.1	74.1	74.5
≥ 12000	48.9	64.5	68.1	69.9	73.4	73.4	74.5	74.5	74.5	74.8	74.8	74.8	74.8	75.2	75.2	75.5
≥ 10000	48.9	64.5	68.1	69.9	73.4	73.4	74.5	74.5	74.5	74.8	74.8	74.8	74.8	75.2	75.2	75.5
≥ 9000	48.9	64.5	68.4	70.2	73.8	73.8	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5	75.9
≥ 8000	49.7	65.3	68.8	70.6	74.1	74.1	75.2	75.2	75.2	75.5	75.5	75.5	75.5	75.9	75.9	76.0
≥ 7000	50.0	65.6	69.2	70.9	74.5	74.5	75.5	75.5	75.5	75.9	75.9	75.9	75.9	76.2	76.2	76.6
≥ 6000	50.0	66.0	69.5	71.3	74.8	74.8	75.9	75.9	75.9	76.2	76.2	76.2	76.2	76.6	76.6	77.0
≥ 5000	50.0	66.7	70.2	72.0	75.5	75.5	76.6	76.6	76.6	77.0	77.0	77.0	77.0	77.3	77.3	77.7
≥ 4500	51.1	66.1	71.6	73.4	77.0	77.0	78.0	78.0	78.0	78.4	78.4	78.4	78.4	78.7	78.7	79.1
≥ 4000	51.1	66.4	72.3	74.1	77.7	77.7	78.7	78.7	78.7	79.1	79.1	79.1	79.1	79.4	79.4	79.8
≥ 3500	51.1	66.8	72.7	74.5	78.0	78.0	79.1	79.1	79.1	79.4	79.4	79.4	79.4	79.8	79.8	80.1
≥ 3000	51.1	70.2	74.1	75.9	79.4	79.4	80.5	80.5	80.5	80.9	80.9	80.9	80.9	81.2	81.2	81.6
≥ 2500	51.4	71.6	75.9	78.0	81.9	81.9	83.3	83.3	83.3	83.7	83.7	83.7	83.7	84.0	84.0	84.4
≥ 2000	52.1	72.7	77.3	79.4	83.3	83.3	85.1	85.1	85.1	85.5	85.5	85.5	85.5	85.8	85.8	86.2
≥ 1800	52.1	72.7	77.3	79.4	83.3	83.3	85.1	85.1	85.1	85.5	85.5	85.5	85.5	85.8	85.8	86.2
≥ 1500	52.1	74.1	79.1	81.6	86.2	86.2	88.3	88.3	88.3	88.7	88.7	88.7	88.7	89.0	89.0	89.4
≥ 1200	53.2	74.5	79.5	82.6	87.2	87.2	89.7	89.7	89.7	90.1	90.1	90.1	90.1	90.4	90.4	90.8
≥ 1000	53.2	75.9	81.6	84.4	89.0	89.0	92.6	92.6	92.6	92.9	92.9	92.9	92.9	93.3	93.3	93.6
≥ 900	53.2	76.2	81.9	84.8	89.4	89.4	92.9	92.9	92.9	93.3	93.3	93.3	93.3	93.6	93.6	94.0
≥ 800	53.2	76.2	82.3	85.1	90.1	90.1	93.6	93.6	93.6	94.0	94.0	94.0	94.0	94.3	94.3	94.7
≥ 700	53.2	76.2	82.3	85.1	90.1	90.1	93.6	93.6	93.6	94.0	94.0	94.0	94.0	94.3	94.3	94.7
≥ 600	54.3	76.6	82.6	86.2	91.1	91.1	95.0	95.0	95.0	95.4	95.4	95.4	95.4	95.7	95.7	96.1
≥ 500	54.3	76.6	83.0	86.5	91.8	91.8	95.7	95.7	95.7	96.1	96.1	96.1	96.1	96.5	96.5	96.8
≥ 400	54.3	76.6	83.0	86.5	91.8	91.8	95.7	95.7	95.7	96.1	96.1	96.1	96.1	96.5	96.5	96.8
≥ 300	54.3	76.6	83.0	86.5	92.6	92.6	97.9	97.9	97.9	98.2	98.2	98.2	98.2	98.6	98.6	98.9
≥ 200	54.3	76.6	83.0	86.5	92.6	92.6	97.9	97.9	97.9	98.2	98.2	98.2	98.2	98.6	98.6	98.9
≥ 100	54.3	76.6	83.0	86.5	92.6	92.6	97.9	97.9	97.9	98.2	98.2	98.2	98.2	98.6	98.6	98.9
≥ 0	54.3	76.6	83.0	86.5	92.6	92.6	97.9	97.9	97.9	98.2	98.2	98.2	98.2	98.6	98.6	98.9

TOTAL NUMBER OF OBSERVATIONS 287

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUD, CALIFORNIA

73-82

FLC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)82
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.5	62.1	66.3	67.4	69.9	71.2	71.6	72.9	72.9	72.7	72.7	72.7	72.7	72.7	73.8	74.1
≥ 20000	50.7	64.2	68.4	69.2	72.0	72.3	73.8	74.1	74.1	74.8	74.8	74.8	74.8	74.8	75.9	76.2
≥ 18000	50.0	64.2	68.4	69.2	72.0	72.3	73.8	74.1	74.1	74.8	74.8	74.8	74.8	74.8	75.9	76.2
≥ 16000	50.0	64.2	68.4	69.2	72.0	72.3	73.8	74.1	74.1	74.8	74.8	74.8	74.8	74.8	75.9	76.2
≥ 14000	51.1	65.6	70.2	71.3	74.1	74.5	75.0	76.2	76.2	77.0	77.0	77.0	77.0	77.0	78.0	78.4
≥ 12000	51.1	66.3	70.9	72.0	74.8	75.2	76.6	77.0	77.0	77.7	77.7	77.7	77.7	77.7	78.7	79.1
≥ 10000	51.1	66.3	70.9	72.0	74.8	75.2	76.6	77.0	77.0	77.7	77.7	77.7	77.7	77.7	78.7	79.1
≥ 9000	51.1	66.3	70.9	72.0	74.8	75.2	76.6	77.0	77.0	77.7	77.7	77.7	77.7	77.7	78.7	79.1
≥ 8000	51.4	66.7	71.3	72.3	75.2	75.5	77.0	77.3	77.3	78.0	78.0	78.0	78.0	78.0	79.1	79.4
≥ 7000	51.4	67.3	72.0	73.1	75.9	76.2	77.7	78.0	78.0	78.7	78.7	78.7	78.7	78.7	79.8	80.1
≥ 6000	51.4	67.4	72.3	73.4	76.2	76.6	78.0	78.4	78.4	79.1	79.1	79.1	79.1	79.1	80.1	80.5
≥ 5000	51.4	67.4	72.3	73.4	76.2	76.6	78.0	78.4	78.4	79.1	79.1	79.1	79.1	79.1	80.1	80.5
≥ 4500	51.4	66.4	73.8	74.8	77.7	78.0	79.4	79.8	79.8	80.5	80.5	80.5	80.5	80.5	81.6	81.9
≥ 4000	51.4	66.4	73.8	74.8	77.7	78.0	79.4	79.8	79.8	80.5	80.5	80.5	80.5	80.5	81.6	81.9
≥ 3500	51.4	66.8	74.1	75.2	78.0	78.4	79.8	80.1	80.1	80.9	80.9	80.9	80.9	80.9	81.9	82.3
≥ 3000	52.1	67.9	75.2	76.2	79.1	79.4	80.9	81.2	81.2	81.9	81.9	81.9	81.9	81.9	83.0	83.3
≥ 2500	52.1	67.2	75.9	77.0	79.8	80.1	81.6	81.9	81.9	82.6	82.6	82.6	82.6	82.6	83.7	84.0
≥ 2000	52.5	72.3	78.0	79.4	82.6	83.0	84.8	85.1	85.1	85.8	85.8	85.8	85.8	85.8	86.9	87.2
≥ 1800	52.5	72.3	78.0	79.4	82.6	83.0	84.8	85.1	85.1	85.8	85.8	85.8	85.8	85.8	86.9	87.2
≥ 1500	52.1	73.1	78.7	80.5	83.7	84.0	86.2	86.5	86.5	87.2	87.2	87.2	87.2	87.2	88.3	88.7
≥ 1200	53.2	73.4	79.1	80.9	84.0	84.4	86.5	86.9	86.9	87.6	87.6	87.6	87.6	87.6	88.7	89.1
≥ 1000	53.6	74.5	80.9	82.3	86.9	87.2	89.4	89.7	89.7	90.4	90.4	90.4	90.4	90.4	91.5	91.8
≥ 900	53.6	74.5	80.9	82.3	86.9	87.2	89.4	89.7	89.7	90.4	90.4	90.4	90.4	90.4	91.5	91.8
≥ 800	53.6	75.5	81.9	84.8	88.3	89.1	91.1	91.5	91.5	92.2	92.2	92.2	92.2	92.2	93.3	93.6
≥ 700	54.3	76.2	82.6	85.5	89.0	89.7	92.2	92.6	92.6	93.3	93.3	93.3	93.3	93.3	94.3	94.7
≥ 600	54.3	76.6	83.0	85.8	89.4	90.1	92.6	92.9	92.9	93.6	93.6	93.6	93.6	93.6	94.7	95.1
≥ 500	54.3	77.0	83.3	86.2	89.7	90.4	93.3	93.6	93.6	94.3	94.3	94.3	94.3	94.3	95.4	95.7
≥ 400	54.3	77.0	83.7	86.5	90.1	91.1	94.0	94.3	94.3	95.0	95.0	95.0	95.0	95.0	96.1	96.5
≥ 300	54.3	77.3	84.0	86.9	91.1	92.2	95.7	96.1	96.1	96.8	96.8	96.8	96.8	96.8	97.9	98.2
≥ 200	54.3	77.3	84.0	86.9	91.1	92.2	95.7	96.1	96.1	96.8	96.8	96.8	96.8	97.2	98.2	98.5
≥ 100	54.3	77.3	84.0	86.9	91.1	92.2	95.7	96.1	96.1	96.8	96.8	96.8	96.8	97.2	98.2	98.5
≥ 0	54.3	77.3	84.0	86.9	91.1	92.2	95.7	96.1	96.1	96.8	96.8	96.8	96.8	97.2	98.2	98.5

TOTAL NUMBER OF OBSERVATIONS 82

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUD, CALIFORNIA

STATION NAME

73-80

YEARS

FLR

MORTH

3 LL

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	44.1	56.6	60.7	61.5	63.3	64.6	65.6	65.9	65.9	66.3	66.4	66.4	66.4	66.4	66.5	66.7
≥ 20000	46.1	61.2	63.8	65.2	67.7	68.5	69.7	70.1	70.1	70.4	70.5	70.5	70.5	70.5	70.7	71.2
≥ 18000	44.1	61.4	64.1	65.3	67.9	68.8	69.9	70.3	70.3	70.7	70.7	70.7	70.7	70.7	71.0	71.1
≥ 16000	46.2	60.5	64.1	65.5	68.0	68.9	70.0	70.4	70.4	70.8	70.9	70.9	70.9	70.9	71.1	71.3
≥ 14000	46.1	61.0	65.3	66.7	69.5	70.4	71.5	72.0	72.0	72.4	72.5	72.5	72.5	72.5	72.7	72.9
≥ 12000	47.1	62.5	66.0	67.5	70.3	71.3	72.3	72.7	72.7	73.1	73.3	73.3	73.3	73.3	73.5	73.7
≥ 10000	47.3	62.7	66.5	68.0	70.8	71.7	72.9	73.3	73.3	73.7	73.9	73.9	73.9	73.9	74.1	74.3
≥ 9000	47.3	62.8	66.5	68.0	70.9	71.6	72.9	73.4	73.4	73.8	73.9	73.9	73.9	73.9	74.1	74.3
≥ 8000	47.8	63.4	67.2	68.3	71.7	72.6	73.8	74.2	74.2	74.6	74.7	74.7	74.7	74.7	75.0	75.1
≥ 7000	47.8	64.0	67.9	69.5	72.4	73.3	74.5	74.9	74.9	75.3	75.4	75.4	75.4	75.4	75.7	75.8
≥ 6000	48.4	64.2	68.2	69.7	72.7	73.6	74.8	75.3	75.3	75.7	75.8	75.8	75.8	75.8	76.0	76.2
≥ 5000	48.6	64.7	68.7	70.3	73.2	74.2	75.4	75.8	75.8	76.2	76.4	76.4	76.4	76.4	76.6	76.8
≥ 4500	48.9	65.7	69.8	71.5	74.4	75.4	76.6	77.1	77.1	77.5	77.6	77.6	77.6	77.6	77.8	78.0
≥ 4000	49.1	65.9	70.1	71.7	74.9	75.9	77.2	77.7	77.7	78.1	78.2	78.2	78.2	78.2	78.5	78.7
≥ 3500	49.1	66.2	70.4	72.2	75.7	76.2	77.5	78.0	78.0	78.4	78.6	78.6	78.6	78.6	78.9	79.0
≥ 3000	49.3	67.2	71.7	73.5	76.6	77.8	79.0	79.5	79.5	79.9	80.1	80.1	80.1	80.1	80.3	80.5
≥ 2500	49.8	68.4	73.1	75.1	78.3	79.5	80.7	81.2	81.2	81.7	81.9	81.9	81.9	81.9	82.1	82.3
≥ 2000	50.5	70.3	75.4	77.6	81.1	82.4	83.9	84.4	84.4	84.9	85.1	85.1	85.1	85.1	85.3	85.5
≥ 1800	50.6	70.4	75.5	77.8	81.2	82.5	84.0	84.6	84.6	85.1	85.2	85.2	85.2	85.2	85.5	85.7
≥ 1500	51.7	71.7	77.2	79.7	83.3	84.9	86.5	87.1	87.1	87.6	87.9	87.9	87.9	87.9	88.1	88.3
≥ 1200	51.6	72.2	78.0	80.5	84.3	86.0	87.6	88.2	88.2	88.7	89.0	89.0	89.0	89.0	89.2	89.5
≥ 1000	51.6	72.9	79.1	81.7	85.7	87.2	89.4	90.0	90.0	90.7	90.9	90.9	90.9	90.9	91.1	91.3
≥ 900	51.8	73.1	79.1	81.8	85.9	87.8	89.7	91.3	91.3	91.9	91.9	91.9	91.9	91.9	92.1	92.3
≥ 800	51.9	73.5	79.7	82.5	86.6	88.7	90.8	91.5	91.5	92.1	92.3	92.3	92.3	92.3	92.4	92.5
≥ 700	52.0	73.7	80.1	82.9	87.1	89.2	91.5	92.1	92.1	92.6	93.0	93.0	93.0	93.0	93.3	93.5
≥ 600	52.0	73.9	81.5	83.3	87.7	89.9	92.2	92.9	92.9	93.6	93.8	93.8	93.8	93.8	94.1	94.4
≥ 500	52.0	74.1	81.8	83.7	88.3	90.6	93.2	93.9	93.9	94.8	95.0	95.0	95.0	95.0	95.3	95.6
≥ 400	52.1	74.1	82.9	84.0	88.6	91.1	93.7	94.4	94.4	95.5	95.7	95.7	95.7	95.7	96.1	96.3
≥ 300	52.2	74.2	81.1	84.1	89.1	91.5	94.3	95.1	95.2	96.5	96.9	96.9	96.9	96.9	97.3	97.6
≥ 200	52.3	74.2	81.1	84.2	89.3	91.7	94.9	95.7	95.7	97.1	97.6	97.6	97.6	97.6	98.1	98.3
≥ 100	52.3	74.2	81.1	84.2	89.3	91.7	94.9	95.7	95.7	97.1	97.6	97.6	97.6	97.6	98.1	98.3
≥ 0	52.3	74.2	81.1	84.2	89.3	91.7	94.9	95.7	95.7	97.1	97.6	97.6	97.6	97.6	98.1	98.3

TOTAL NUMBER OF OBSERVATIONS 7252

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUD, CALIFORNIA

13-82

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	43.2	66.5	67.1	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 20000	43.2	67.4	69.0	69.4	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 18000	43.2	67.4	69.0	69.4	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 16000	43.2	67.4	69.0	69.4	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 14000	43.2	67.4	69.0	69.4	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 12000	43.2	67.4	69.0	69.4	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 10000	43.2	67.4	69.0	69.4	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 9000	43.2	67.4	69.0	69.4	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 8000	44.2	67.7	71.3	71.6	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 7000	44.2	67.7	71.3	71.6	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 6000	44.2	67.7	71.3	71.6	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 5000	44.2	67.7	71.3	71.6	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 4500	44.2	67.7	71.3	71.6	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 4000	44.2	67.7	71.3	71.6	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 3500	44.2	67.7	71.3	71.6	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 3000	44.2	67.7	71.3	71.6	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 2500	44.2	67.7	71.3	71.6	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 2000	44.2	67.7	71.3	71.6	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 1800	44.2	67.7	71.3	71.6	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 1500	44.2	67.7	71.3	71.6	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 1200	44.2	67.7	71.3	71.6	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 1000	44.2	67.7	71.3	71.6	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 900	44.2	67.7	71.3	71.6	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 800	44.2	67.7	71.3	71.6	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 700	44.2	67.7	71.3	71.6	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 600	44.2	67.7	71.3	71.6	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 500	44.2	67.7	71.3	71.6	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 400	44.2	67.7	71.3	71.6	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 300	44.2	67.7	71.3	71.6	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 200	44.2	67.7	71.3	71.6	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 100	44.2	67.7	71.3	71.6	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 0	44.2	67.7	71.3	71.6	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUSE, CALIFORNIA

STATION NAME

72-37

YEARS

NORTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	41.5	62.0	63.9	64.5	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 20000	41.5	64.0	65.5	66.5	67.4	67.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 18000	41.5	64.2	65.5	66.5	67.4	67.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 16000	41.5	64.2	65.5	66.5	67.4	67.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 14000	41.5	64.2	65.5	66.5	67.4	67.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 12000	41.5	64.2	66.1	67.1	68.4	68.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 10000	41.5	65.5	67.4	68.4	69.7	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 9000	41.5	65.5	67.4	68.4	69.7	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 8000	41.5	66.1	68.1	69.0	70.3	70.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 7000	41.5	66.5	68.4	69.4	70.7	70.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 6000	41.5	67.4	69.4	70.3	71.6	71.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 5000	43.0	68.0	71.1	71.9	73.2	73.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4500	43.0	70.0	71.9	72.9	74.2	74.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 4000	43.0	71.0	72.9	74.2	75.5	75.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 3500	44.0	71.6	74.5	75.6	77.1	77.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3000	44.0	72.2	76.1	77.4	78.7	78.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 2500	45.0	73.5	77.7	79.0	80.3	80.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	45.0	73.7	81.0	82.6	84.2	84.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1800	45.0	74.4	81.9	83.9	85.5	85.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1500	45.0	75.3	84.2	87.1	89.7	89.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1200	45.0	75.3	84.5	87.4	89.4	89.4	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1000	45.0	75.3	85.3	89.0	91.3	91.3	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 900	45.0	75.3	85.3	89.0	91.3	91.3	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 800	45.0	75.3	85.3	89.0	91.3	91.3	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 700	45.0	75.3	85.3	89.0	91.3	91.3	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 600	45.0	75.3	85.3	89.0	91.3	91.3	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 500	45.0	75.3	85.3	89.0	91.3	91.3	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 400	45.0	75.3	85.3	89.0	91.3	91.3	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 300	45.0	75.3	85.3	89.0	91.3	91.3	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 200	45.0	75.3	85.3	89.0	91.3	91.3	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 100	45.0	75.3	85.3	89.0	91.3	91.3	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 0	45.0	75.3	85.3	89.0	91.3	91.3	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2

TOTAL NUMBER OF OBSERVATIONS 1

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUD, CALIFORNIA

STATION NAME

YEARS

NORTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	41.5	54.5	56.5	57.4	57.1	56.4	56.7	56.7	59.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 20000	42.5	55.5	56.7	57.5	57.1	56.4	56.5	57.2	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 18000	42.5	56.5	57.7	58.0	57.1	56.4	56.3	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 16000	42.5	56.5	57.7	58.0	57.1	56.4	56.3	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 14000	42.5	57.4	58.3	58.3	57.3	56.6	56.6	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 12000	42.5	57.7	58.7	58.6	57.3	56.6	56.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 10000	42.5	58.1	58.9	58.2	57.3	56.6	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 9000	42.5	58.1	58.9	58.2	57.3	56.6	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 8000	42.5	58.4	59.2	58.4	57.3	56.6	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 7000	42.5	58.4	59.2	58.4	57.3	56.6	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 6000	42.5	58.7	59.4	58.5	57.3	56.6	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 5000	42.5	58.7	59.4	58.5	57.3	56.6	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 4500	42.5	58.7	59.4	58.5	57.3	56.6	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 4000	42.5	58.7	59.4	58.5	57.3	56.6	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 3500	42.5	58.7	59.4	58.5	57.3	56.6	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 3000	42.5	58.7	59.4	58.5	57.3	56.6	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 2500	42.5	58.7	59.4	58.5	57.3	56.6	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 2000	42.5	58.7	59.4	58.5	57.3	56.6	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1800	42.5	58.7	59.4	58.5	57.3	56.6	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1500	42.5	58.7	59.4	58.5	57.3	56.6	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1200	42.5	58.7	59.4	58.5	57.3	56.6	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1000	42.5	58.7	59.4	58.5	57.3	56.6	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 900	42.5	58.7	59.4	58.5	57.3	56.6	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 800	42.5	58.7	59.4	58.5	57.3	56.6	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 700	42.5	58.7	59.4	58.5	57.3	56.6	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 600	42.5	58.7	59.4	58.5	57.3	56.6	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 500	42.5	58.7	59.4	58.5	57.3	56.6	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 400	42.5	58.7	59.4	58.5	57.3	56.6	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 300	42.5	58.7	59.4	58.5	57.3	56.6	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 200	42.5	58.7	59.4	58.5	57.3	56.6	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 100	42.5	58.7	59.4	58.5	57.3	56.6	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 0	42.5	58.7	59.4	58.5	57.3	56.6	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1

TOTAL NUMBER OF OBSERVATIONS

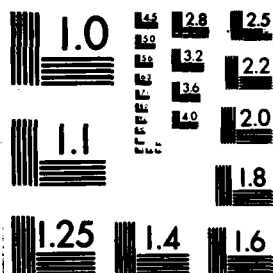
DIRNAVOCEANMET SMOS

NO. 9150 303 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
POINT MUGU CALIFORNIA(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC OCT 83

3/4

F/G 4/2

NI



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUGO, CALIFORNIA

73-82

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	42.9	54.5	61.0	61.3	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 20000	45.2	57.7	63.9	65.2	67.1	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 18000	45.2	56.1	64.2	65.5	67.4	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 16000	45.2	56.1	64.2	65.5	67.4	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 14000	45.5	56.7	64.8	66.1	68.1	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 12000	45.5	56.7	65.5	66.8	68.7	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 10000	46.1	60.3	66.8	68.4	70.3	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 9000	46.1	60.3	66.8	68.4	70.3	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 8000	46.9	61.3	67.7	69.4	71.3	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 7000	47.4	62.3	68.7	70.3	72.6	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 6000	47.7	62.6	69.1	70.7	72.9	73.2	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 5000	48.4	63.2	69.7	71.6	73.9	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 4500	48.4	63.9	71.7	72.6	74.8	75.2	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 4000	49.4	64.8	71.9	73.9	76.1	76.5	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 3500	50.3	66.8	73.9	76.1	78.4	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 3000	51.6	68.4	75.8	78.4	80.3	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 2500	51.6	69.7	77.4	79.7	81.9	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 2000	52.3	71.2	81.9	85.2	87.4	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1800	52.6	73.9	82.6	85.8	88.1	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1500	52.6	75.5	84.5	88.4	91.0	91.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1200	52.7	75.8	85.2	89.4	91.9	92.9	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1000	53.2	76.5	86.1	90.3	93.6	94.8	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 900	53.6	76.8	86.5	91.7	93.9	95.2	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 800	53.6	76.8	86.5	91.7	94.2	95.5	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 700	53.6	76.8	86.5	91.0	94.2	95.8	97.4	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 600	53.6	76.8	86.5	91.0	94.2	95.8	97.4	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 500	53.6	76.8	86.5	91.0	94.2	95.8	97.4	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 400	53.6	76.8	86.5	91.0	94.2	95.8	97.4	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 300	53.6	76.8	86.5	91.0	94.2	95.8	97.7	98.4	98.7	99.4	99.7	99.7	100.0	100.0	100.0	100.0
IV 200	53.6	76.8	86.5	91.0	94.2	95.8	97.7	98.4	98.7	99.4	99.7	99.7	100.0	100.0	100.0	100.0
IV 100	53.6	76.8	86.5	91.0	94.2	95.8	97.7	98.4	98.7	99.4	99.7	99.7	100.0	100.0	100.0	100.0
IV 0	53.6	76.8	86.5	91.0	94.2	95.8	97.7	98.4	98.7	99.4	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

317

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUGO, CALIFORNIA

73-82

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	46.5	61.3	63.6	65.2	65.2	65.5	65.8	65.8	65.8	65.8	66.1	66.1	66.1	66.1	66.1
≥ 20000	49.4	64.2	68.1	69.7	69.7	70.3	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 18000	49.4	64.2	68.1	69.7	69.7	70.3	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 16000	49.4	64.2	68.1	69.7	69.7	70.3	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 14000	49.7	64.8	69.7	70.7	70.7	71.3	71.6	71.9	71.9	71.9	72.3	72.3	72.3	72.3	72.3
≥ 12000	49.7	65.5	69.7	71.3	71.3	71.9	72.3	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9
≥ 10000	50.3	66.5	70.7	72.3	72.3	72.9	73.2	73.6	73.6	73.6	73.9	73.9	73.9	73.9	73.9
≥ 9000	50.3	66.5	70.7	72.3	72.3	72.9	73.2	73.6	73.6	73.6	73.9	73.9	73.9	73.9	73.9
≥ 8000	50.7	67.1	71.6	73.2	73.2	73.9	74.2	74.5	74.5	74.5	74.8	74.8	74.8	74.8	74.8
≥ 7000	51.3	68.1	72.6	74.2	74.2	74.8	75.2	75.5	75.5	75.5	75.8	75.8	75.8	75.8	75.8
≥ 6000	51.3	68.7	73.2	74.8	74.8	75.5	75.8	76.1	76.1	76.1	76.5	76.5	76.5	76.5	76.5
≥ 5000	51.9	69.7	74.2	75.8	75.8	76.5	76.8	77.1	77.1	77.1	77.4	77.4	77.4	77.4	77.4
≥ 4500	53.9	72.3	76.8	78.4	78.7	79.4	79.7	80.0	80.0	80.0	80.3	80.3	80.3	80.3	80.3
≥ 4000	54.8	74.2	78.7	80.3	80.7	81.3	81.6	81.9	81.9	81.9	82.3	82.3	82.3	82.3	82.3
≥ 3500	55.2	74.8	80.0	81.9	82.3	82.9	83.2	83.6	83.6	83.6	83.9	83.9	83.9	83.9	83.9
≥ 3000	56.5	77.1	82.3	84.5	84.8	85.5	85.8	86.1	86.1	86.1	86.5	86.5	86.5	86.5	86.5
≥ 2500	57.4	77.7	82.9	85.5	85.8	86.5	86.8	87.1	87.1	87.1	87.4	87.4	87.4	87.4	87.4
≥ 2000	59.0	79.7	85.2	87.7	88.1	88.7	89.4	89.7	89.7	89.7	90.0	90.0	90.0	90.0	90.0
≥ 1800	59.4	80.0	85.5	88.1	88.4	89.0	89.7	90.0	90.0	90.0	90.3	90.3	90.3	90.3	90.3
≥ 1500	60.0	82.9	89.0	92.3	92.9	94.2	94.8	95.2	95.2	95.2	95.5	95.5	95.5	95.5	95.5
≥ 1200	60.0	83.9	90.3	93.6	94.2	95.5	96.1	96.5	96.5	96.5	96.8	96.8	96.8	96.8	96.8
≥ 1000	60.0	83.9	90.3	93.6	94.5	96.1	97.1	97.7	97.7	97.7	98.1	98.1	98.1	98.1	98.1
≥ 900	60.0	83.9	90.7	93.9	94.8	96.5	97.4	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4
≥ 800	60.0	83.9	90.7	93.9	94.8	96.5	97.7	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7
≥ 700	60.0	83.9	90.7	93.9	94.8	96.5	97.7	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7
≥ 600	60.0	83.9	90.7	93.9	94.8	96.5	97.7	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7
≥ 500	60.0	83.9	90.7	93.9	94.8	96.5	98.1	98.7	98.7	99.0	99.4	99.4	99.4	99.4	99.4
≥ 400	60.0	83.9	90.7	93.9	95.2	96.8	98.4	99.0	99.0	99.4	99.7	99.7	99.7	99.7	99.7
≥ 300	60.0	83.9	90.7	93.9	95.2	96.8	98.4	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0
≥ 200	60.0	83.9	90.7	93.9	95.2	96.8	98.4	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0
≥ 100	60.0	83.9	90.7	93.9	95.2	96.8	98.4	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0
≥ 0	60.0	83.9	90.7	93.9	95.2	96.8	98.4	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMQS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT HUBB, CALIFORNIA

73-82

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	49.8	64.1	67.7	67.3	67.6	67.6	67.6	67.6	67.6	63.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 20000	52.4	69.9	72.8	73.1	73.8	74.4	74.8	74.8	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 18000	52.4	70.2	73.1	73.5	74.1	74.8	75.1	75.1	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 16000	52.4	70.6	73.5	73.8	74.4	75.1	75.4	75.4	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 14000	52.4	70.6	73.8	74.1	74.8	75.4	75.7	75.7	75.7	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 12000	53.4	71.2	74.8	75.1	75.7	76.4	76.7	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 10000	53.7	71.8	75.4	75.7	76.4	77.0	77.4	77.4	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 9000	53.7	72.2	75.7	76.1	76.7	77.4	77.7	77.7	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 8000	54.1	73.1	76.7	77.0	77.7	78.3	78.6	78.6	78.6	79.0	79.3	79.3	79.3	79.3	79.3	79.3
≥ 7000	54.1	73.5	77.0	77.4	78.0	78.6	79.0	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 6000	54.1	73.8	77.4	77.7	78.3	79.0	79.3	79.3	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 5000	54.7	75.1	78.6	79.0	79.6	80.3	80.6	80.6	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 4500	56.0	76.4	80.3	80.9	81.6	82.2	82.5	82.5	82.5	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 4000	57.3	76.0	81.9	82.5	83.2	83.8	84.1	84.1	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3500	57.3	78.0	81.9	82.5	83.2	83.8	84.1	84.1	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3000	57.9	80.3	84.5	85.1	85.8	86.4	86.7	86.7	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500	58.6	81.9	86.4	87.4	88.0	88.7	89.0	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2000	59.9	83.8	89.3	90.3	90.9	91.9	92.2	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1800	59.9	83.8	89.3	90.3	90.9	91.9	92.2	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1500	60.2	85.1	91.3	92.6	93.2	94.2	94.5	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1200	60.2	85.1	91.3	92.6	93.2	94.2	94.5	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1000	60.2	85.1	92.2	93.5	94.5	95.8	96.1	96.4	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 900	61.2	85.1	92.2	93.5	94.5	95.8	96.1	96.4	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	60.5	85.4	92.9	94.2	95.2	96.4	96.8	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700	60.5	85.4	93.2	94.5	95.5	96.8	97.1	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	60.5	85.4	93.2	94.5	95.5	97.1	97.7	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	60.5	85.8	93.5	94.8	95.8	97.4	98.1	98.7	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	60.5	86.1	93.9	95.2	96.1	97.7	98.7	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	60.5	86.1	93.9	95.2	96.1	97.7	98.7	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	60.5	86.1	93.9	95.2	96.1	97.7	98.7	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	60.5	86.1	93.9	95.2	96.1	97.7	98.7	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	60.5	86.1	93.9	95.2	96.1	97.7	98.7	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

309

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

11
STATIONPOINT MUGU, CALIFORNIA
STATION NAME73-82
YEARSMAP
19
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	48.9	66.6	71.2	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 20000	49.5	70.2	73.1	73.5	73.8	73.8	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 18000	49.8	70.6	73.5	73.8	74.1	74.1	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 16000	49.8	70.6	73.5	73.8	74.1	74.1	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 14000	49.8	70.6	73.5	73.8	74.1	74.1	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 12000	49.8	70.6	73.8	74.1	74.4	74.4	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 10000	51.1	72.2	75.4	75.7	76.1	76.1	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 9000	51.5	72.8	76.1	76.4	76.7	76.7	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 8000	51.8	73.5	77.4	77.7	78.0	78.0	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 7000	51.8	73.8	77.7	78.0	78.3	78.3	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 6000	52.1	74.1	78.0	78.3	78.6	78.6	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 5000	52.8	74.8	78.6	79.0	79.3	79.3	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 4500	54.4	77.0	80.9	81.2	81.6	81.6	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 4000	55.3	78.6	82.5	82.9	83.2	83.2	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 3500	56.0	80.6	84.5	84.8	85.1	85.1	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 3000	56.6	81.5	87.1	87.4	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 2500	57.3	83.5	88.4	88.7	89.0	89.0	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 2000	57.6	84.8	91.0	90.3	90.6	90.6	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1800	57.6	84.8	91.0	91.3	90.6	90.6	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1500	57.6	85.8	91.9	92.6	93.2	93.2	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1200	57.6	86.4	93.2	93.9	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1000	57.6	87.1	94.2	94.8	95.8	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 900	57.6	87.1	94.2	94.8	95.8	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 800	57.6	87.1	94.2	94.8	95.8	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 700	57.9	87.7	94.8	95.5	96.4	96.8	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	57.9	87.7	95.2	96.1	97.1	97.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 500	57.9	88.0	95.5	96.4	97.4	97.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	57.9	88.0	95.5	96.4	97.4	97.7	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	57.9	88.0	95.8	96.8	97.7	98.1	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	57.9	88.0	95.8	96.8	97.7	98.1	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	100.0	100.0
IV 100	57.9	88.0	95.8	96.8	97.7	98.1	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	100.0	100.0
IV 0	57.9	88.0	95.8	96.8	97.7	98.1	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

379

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGU, CALIFORNIA

STATION NAME

73-82

YEARS

MAP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)22
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	69.7	68.4	70.3	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 20000	50.0	70.0	72.3	72.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 18000	50.0	70.0	72.3	72.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 16000	50.0	70.0	72.3	72.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 14000	50.0	70.0	72.6	73.2	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 12000	50.0	70.3	72.9	73.6	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 10000	50.3	71.0	73.6	74.2	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 9000	50.3	71.0	73.6	74.2	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 8000	51.3	71.9	74.8	75.5	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 7000	51.3	71.9	74.8	75.5	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 6000	51.3	72.3	75.2	75.8	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 5000	51.3	72.6	75.5	76.1	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4500	52.3	74.8	77.7	78.4	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4000	52.6	75.5	78.4	79.0	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 3500	52.6	76.8	79.7	80.3	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3000	55.2	81.0	84.2	84.8	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 2500	55.2	82.3	85.5	86.1	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 2000	55.8	84.5	89.4	90.0	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1800	55.8	84.5	89.4	90.0	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1500	56.1	86.1	91.3	91.9	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1200	56.8	87.4	92.6	93.2	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000	56.8	87.7	92.9	93.6	93.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 900	56.8	88.1	93.2	93.9	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 800	57.4	89.0	94.2	94.8	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	57.4	89.0	94.8	95.5	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	57.4	89.7	95.8	96.5	97.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	57.4	89.7	95.8	96.5	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	57.4	89.7	95.8	96.5	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	57.4	89.7	95.8	96.5	97.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	57.4	90.0	96.1	97.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	57.4	90.0	96.1	97.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	57.4	90.0	96.1	97.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUCU, CALIFORNIA

73-82

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.8	62.3	64.9	65.7	66.1	66.2	66.5	66.5	66.5	66.6	66.7	66.7	66.7	66.7	66.8	66.8
≥ 20000	46.8	65.0	68.0	68.8	69.5	69.8	70.3	70.3	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.6
IV 18000	46.8	65.1	68.1	68.9	69.6	69.9	70.4	70.4	70.4	70.5	70.6	70.6	70.6	70.6	70.7	70.7
IV 16000	46.9	65.2	68.2	68.9	69.6	70.0	70.5	70.5	70.5	70.6	70.7	70.7	70.7	70.7	70.7	70.8
IV 14000	47.0	65.5	68.6	69.4	70.2	70.6	71.0	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.3	71.4
IV 12000	47.1	65.8	69.1	69.9	70.7	71.1	71.6	71.6	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.9
IV 10000	47.6	66.9	70.2	71.1	71.9	72.3	72.8	72.8	72.8	72.9	73.0	73.0	73.0	73.0	73.0	73.1
IV 9000	47.6	67.0	70.3	71.2	72.0	72.4	72.9	72.9	72.9	73.0	73.1	73.1	73.1	73.1	73.2	73.2
IV 8000	48.0	67.8	71.3	72.2	73.0	73.4	73.8	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.1	74.1
IV 7000	48.2	68.2	71.8	72.7	73.5	73.9	74.4	74.4	74.4	74.5	74.6	74.6	74.6	74.6	74.7	74.7
IV 6000	49.4	69.7	72.2	73.1	74.0	74.4	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.1	75.1
IV 5000	49.0	69.6	73.1	74.1	74.9	75.3	75.8	75.8	75.8	76.0	76.0	76.0	76.0	76.0	76.1	76.1
IV 4500	49.8	71.3	74.9	76.4	76.8	77.2	77.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	78.0	78.0
IV 4000	50.5	72.3	76.0	77.4	78.0	78.4	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.1	79.1
IV 3500	51.0	73.6	77.4	78.8	79.5	79.9	80.4	80.4	80.4	80.5	80.6	80.6	80.6	80.6	80.6	80.7
IV 3000	52.1	75.7	79.7	81.0	81.8	82.2	82.7	82.7	82.7	82.9	82.9	82.9	82.9	82.9	83.0	83.0
IV 2500	52.5	77.1	81.2	82.5	83.4	83.9	84.3	84.4	84.4	84.5	84.6	84.6	84.6	84.6	84.7	84.7
IV 2000	53.3	78.5	84.3	86.1	87.1	87.7	88.2	88.3	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.6
IV 1800	53.4	79.7	84.6	86.4	87.4	88.1	88.6	88.7	88.7	88.8	88.9	88.9	88.9	88.9	88.9	89.0
IV 1500	53.8	81.3	86.8	89.1	90.3	91.1	91.8	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.2	92.3
IV 1200	53.9	81.8	87.6	89.8	91.2	92.1	92.8	92.9	93.0	93.1	93.2	93.2	93.2	93.2	93.3	93.3
IV 1000	53.9	82.4	88.5	90.9	92.6	93.7	94.6	94.8	94.9	95.0	95.1	95.1	95.1	95.1	95.2	95.2
IV 900	54.0	82.5	88.6	91.0	92.7	93.9	94.8	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.3	95.4
IV 800	54.1	82.6	89.1	91.6	93.4	94.6	95.6	95.9	95.9	96.1	96.2	96.2	96.2	96.2	96.3	96.3
IV 700	54.2	82.9	89.4	92.0	93.8	95.0	96.1	96.5	96.5	96.7	96.8	96.8	96.8	96.8	96.9	96.9
IV 600	54.2	83.1	89.7	92.3	94.2	95.5	96.7	97.0	97.1	97.3	97.5	97.5	97.5	97.5	97.6	97.7
IV 500	54.2	83.2	89.9	92.6	94.6	95.8	97.1	97.5	97.5	97.9	98.0	98.0	98.1	98.1	98.1	98.2
IV 400	54.2	83.2	90.1	92.8	94.8	96.1	97.5	97.9	98.0	98.4	98.6	98.6	98.7	98.7	98.8	98.8
IV 300	54.2	83.3	90.2	92.9	94.9	96.2	97.7	98.2	98.3	98.7	98.9	98.9	99.1	99.1	99.2	99.2
IV 200	54.2	83.3	90.2	92.9	95.0	96.3	97.9	98.4	98.5	98.9	99.1	99.1	99.3	99.3	99.5	99.6
IV 100	54.2	83.3	90.2	92.9	95.0	96.4	98.0	98.5	98.6	99.0	99.1	99.1	99.4	99.4	99.6	99.6
IV 0	54.2	83.3	90.2	92.9	95.0	96.4	98.0	98.5	98.6	99.0	99.2	99.2	99.4	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

2478

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGG, CALIFORNIA

STATION NAME

73-82

YEARS

APR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)24
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	34.3	63.7	68.3	71.0	71.0	71.7	71.7	71.7	71.7	71.7	72.3	72.3	72.3	72.3	72.3	72.7
≥ 20000	34.3	64.3	69.0	70.7	71.7	71.7	72.3	72.3	72.3	72.3	73.0	73.0	73.0	73.0	73.0	73.3
≥ 18000	34.7	64.7	69.3	71.0	72.0	72.0	72.7	72.7	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.7
≥ 16000	34.7	64.7	69.3	71.0	72.0	72.0	72.7	72.7	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.7
≥ 14000	35.0	65.0	69.7	71.3	72.3	72.3	73.0	73.0	73.0	73.7	73.7	73.7	73.7	73.7	73.7	74.0
≥ 12000	35.0	65.3	70.0	71.7	72.7	72.7	73.3	73.3	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.3
≥ 10000	35.0	65.7	70.3	72.0	73.0	73.0	73.7	73.7	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.7
≥ 9000	35.0	65.7	70.3	72.0	73.0	73.0	73.7	73.7	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.7
≥ 8000	35.0	65.7	70.3	72.0	73.0	73.0	73.7	73.7	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.7
≥ 7000	35.0	65.7	70.3	72.0	73.0	73.0	73.7	73.7	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.7
≥ 6000	35.3	66.7	71.0	72.7	73.7	73.7	74.3	74.3	74.3	75.0	75.0	75.0	75.0	75.0	75.0	75.3
≥ 5000	35.3	66.7	71.0	72.7	73.7	73.7	74.3	74.3	74.3	75.0	75.0	75.0	75.0	75.0	75.0	75.3
≥ 4500	35.7	67.3	72.3	74.0	75.0	75.0	75.7	75.7	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.7
≥ 4000	35.7	68.0	73.0	74.7	75.7	75.7	76.3	76.3	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.3
≥ 3500	35.7	68.0	73.0	74.7	75.7	75.7	76.3	76.3	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.3
≥ 3000	36.0	68.7	73.7	75.3	76.3	76.3	77.0	77.0	77.0	77.7	77.7	77.7	77.7	77.7	77.7	78.0
≥ 2500	36.7	71.0	75.3	77.0	78.0	78.0	79.0	79.0	79.0	79.7	79.7	79.7	79.7	79.7	79.7	80.0
≥ 2000	37.3	72.0	77.7	79.3	80.3	80.3	81.3	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.3
≥ 1800	37.3	72.0	77.7	79.3	80.3	80.3	81.3	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.3
≥ 1500	37.7	73.0	80.0	82.0	83.0	83.0	84.0	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	85.0
≥ 1200	37.7	74.3	81.7	83.7	84.7	84.7	85.7	85.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.7
≥ 1000	37.7	76.3	83.7	85.7	86.7	86.7	87.7	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.7
≥ 900	37.7	76.3	84.0	86.0	87.0	87.0	88.0	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	89.0
≥ 800	37.7	76.3	84.7	86.7	87.7	87.7	88.7	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.7
≥ 700	37.7	77.0	86.0	88.3	89.7	89.7	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.7
≥ 600	37.7	77.3	86.0	88.3	89.7	89.7	91.0	91.0	91.0	91.7	91.7	91.7	91.7	91.7	91.7	92.0
≥ 500	37.7	77.3	86.3	88.7	90.7	90.7	92.3	92.3	92.3	93.0	93.0	93.0	93.0	93.0	93.0	93.3
≥ 400	37.7	77.3	86.3	88.7	91.3	91.3	93.0	93.0	93.0	93.7	93.7	93.7	93.7	93.7	93.7	94.0
≥ 300	37.7	77.3	86.7	89.3	92.0	92.0	95.3	95.3	95.3	96.7	96.7	96.7	96.7	96.7	96.7	97.0
≥ 200	37.7	77.3	86.7	89.3	92.0	92.0	95.3	95.3	95.3	97.0	97.0	97.0	97.0	97.0	97.0	97.3
≥ 100	37.7	77.3	86.7	89.3	92.0	92.0	95.3	95.3	95.3	97.0	97.0	97.0	97.0	97.0	97.0	97.3
≥ 0	37.7	77.3	86.7	89.3	92.0	92.0	95.3	95.3	95.3	97.0	97.0	97.0	97.0	97.0	97.0	97.3

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT HUGO, CALIFORNIA

73-82

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

74

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	32.7	56.3	63.7	66.7	67.3	67.3	67.7	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.7
≥ 20000	32.7	59.0	64.3	67.3	68.0	68.0	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	69.3
IV 18000	32.7	59.0	64.3	67.3	68.0	68.0	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	69.3
IV 16000	32.7	59.0	64.3	67.3	68.0	68.0	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	69.3
IV 14000	32.7	59.0	64.3	67.3	68.0	68.3	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.7
IV 12000	32.7	60.0	65.3	68.3	69.0	69.0	69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.3
IV 10000	32.7	60.3	65.7	68.7	69.3	69.3	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.7
IV 9000	32.7	60.3	65.7	68.7	69.3	69.3	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.7
IV 8000	33.0	60.7	66.0	69.0	69.7	69.7	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	71.0
IV 7000	33.0	61.0	66.3	69.3	70.0	70.0	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	71.3
IV 6000	33.0	61.0	66.3	69.3	70.0	70.0	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	71.3
IV 5000	33.3	61.3	66.7	69.7	70.3	70.3	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.7
IV 4500	33.7	62.3	67.7	70.7	71.3	71.3	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.7
IV 4000	33.7	63.0	68.7	71.7	72.3	72.3	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.7
IV 3500	33.7	63.0	68.7	71.7	72.3	72.3	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.7
IV 3000	34.3	64.0	70.3	73.3	74.0	74.0	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	75.3
IV 2500	35.7	65.3	72.0	75.0	76.0	76.0	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	77.3
IV 2000	35.3	67.7	74.7	78.0	79.0	79.0	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	80.3
IV 1800	35.3	68.3	75.3	78.7	79.7	79.7	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	81.0
IV 1500	35.3	70.3	78.3	82.0	83.0	83.0	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	84.3
IV 1200	35.3	71.3	80.7	84.3	85.3	85.3	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.7
IV 1000	35.7	72.3	81.7	85.7	87.0	87.3	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.7
IV 900	35.7	72.3	82.0	86.0	87.3	87.7	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	89.0
IV 800	35.7	72.7	83.0	87.3	88.7	89.0	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.3
IV 700	36.0	73.0	83.7	88.0	89.7	90.0	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	92.0
IV 600	36.0	73.0	84.0	88.3	90.0	90.3	91.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	92.3
IV 500	36.0	73.0	84.0	88.3	90.3	91.0	91.7	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.7
IV 400	35.7	73.0	84.7	89.0	91.0	91.7	92.7	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	95.0
IV 300	36.7	73.0	84.7	89.0	91.3	92.0	94.3	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	97.7
IV 200	36.0	73.0	84.7	89.0	91.3	92.0	94.3	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	97.7
IV 100	36.0	73.0	84.7	89.0	91.3	92.0	94.3	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	97.7
IV 0	36.0	73.0	84.7	89.0	91.3	92.0	94.3	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	97.7

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

STATION NAME

77-82

YEARS

APR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)7
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	¾	≥ 0
NO CEILING	33.7	43.3	54.7	58.7	61.3	61.7	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.7	63.3
≥ 20000	34.3	50.0	56.3	60.3	63.3	63.7	64.0	64.0	64.0	64.0	64.3	64.3	64.3	64.3	64.7	65.3
IV 18000	34.3	50.0	56.3	60.3	63.3	64.0	64.3	64.3	64.3	64.3	64.7	64.7	64.7	64.7	65.0	65.7
IV 16000	34.3	50.0	56.3	60.3	63.3	64.0	64.3	64.3	64.3	64.3	64.7	64.7	64.7	64.7	65.0	65.7
IV 14000	34.7	51.3	57.7	61.7	64.3	65.3	66.0	66.0	66.0	66.0	66.3	66.3	66.3	66.3	66.7	67.3
IV 12000	34.7	51.7	58.0	62.0	64.7	65.7	66.3	66.3	66.3	66.3	66.7	66.7	66.7	66.7	67.0	67.7
IV 10000	34.7	52.0	58.3	62.7	65.3	66.3	67.0	67.0	67.0	67.0	67.3	67.3	67.3	67.3	67.7	68.3
IV 9000	35.3	52.7	59.0	63.3	66.0	67.0	67.7	67.7	67.7	67.7	68.0	68.0	68.0	68.0	68.3	69.0
IV 8000	35.7	53.0	59.3	63.7	66.3	67.3	68.0	68.0	68.0	68.0	68.3	68.3	68.3	68.3	68.7	69.3
IV 7000	35.7	53.0	59.3	63.7	66.3	67.3	68.0	68.0	68.0	68.0	68.3	68.3	68.3	68.3	68.7	69.3
IV 6000	35.7	53.0	59.3	63.7	66.3	67.3	68.0	68.0	68.0	68.0	68.3	68.3	68.3	68.3	68.7	69.3
IV 5000	35.7	53.0	59.7	64.0	67.0	68.0	68.7	68.7	68.7	68.7	69.0	69.0	69.0	69.0	69.3	70.0
IV 4500	36.0	53.3	60.7	65.0	68.0	69.0	69.7	69.7	69.7	69.7	70.0	70.0	70.0	70.0	70.3	71.0
IV 4000	36.0	53.3	60.7	65.0	68.0	69.0	69.7	69.7	69.7	69.7	70.0	70.0	70.0	70.0	70.3	71.0
IV 3500	36.3	53.7	61.0	65.3	68.3	69.3	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	71.3
IV 3000	36.3	53.3	63.0	67.3	70.7	71.7	72.3	72.3	72.3	72.3	72.7	72.7	72.7	72.7	73.0	73.7
IV 2500	38.7	55.7	63.3	67.7	71.0	72.0	73.0	73.0	73.0	73.0	73.3	73.3	73.3	73.3	73.7	74.3
IV 2000	38.7	57.3	65.3	70.3	74.0	75.7	76.7	77.3	77.3	77.3	77.7	77.7	77.7	77.7	78.0	78.7
IV 1800	39.7	57.7	66.7	71.7	75.3	77.0	78.0	78.7	78.7	78.7	79.0	79.0	79.0	79.0	79.3	80.0
IV 1500	39.7	57.7	69.0	74.7	79.0	80.7	82.0	82.7	82.7	82.7	83.0	83.0	83.0	83.0	83.3	84.0
IV 1200	40.0	61.0	71.3	77.3	82.3	84.0	85.7	86.3	86.3	86.3	86.7	86.7	86.7	86.7	87.0	87.7
IV 1000	40.0	61.7	72.0	78.0	83.7	85.7	87.7	88.3	88.3	88.3	88.7	88.7	88.7	88.7	89.0	89.7
IV 900	40.0	61.7	72.0	78.0	83.7	85.7	87.7	88.3	88.3	88.3	88.7	88.7	88.7	88.7	89.0	89.7
IV 800	40.0	61.7	72.0	78.0	83.7	85.7	87.7	88.3	88.3	88.3	88.7	88.7	88.7	88.7	89.0	89.7
IV 700	40.0	61.7	72.0	78.0	84.3	87.7	90.0	91.3	91.3	91.7	92.3	92.3	92.3	92.3	92.7	93.3
IV 600	40.0	61.7	72.3	78.3	84.7	88.0	90.7	92.0	92.0	92.0	92.3	93.0	93.0	93.0	93.3	94.0
IV 500	40.0	61.7	72.3	78.3	84.7	88.0	90.7	92.0	92.0	92.0	92.3	93.0	93.0	93.0	93.3	94.0
IV 400	40.0	61.7	72.3	78.3	84.7	88.0	90.7	92.0	92.0	92.0	92.3	93.0	93.0	93.0	93.3	94.0
IV 300	40.0	61.7	72.3	78.3	85.0	88.3	91.3	93.7	93.7	93.7	94.0	94.3	94.3	94.3	94.7	95.3
IV 200	40.0	61.7	72.3	78.3	85.0	88.3	91.3	93.7	93.7	93.7	94.0	94.3	94.3	94.3	94.7	95.3
IV 100	40.0	61.7	72.3	78.3	85.0	88.3	91.3	93.7	93.7	93.7	94.0	94.3	94.3	94.3	94.7	95.3
IV 0	40.0	61.7	72.3	78.3	85.0	88.3	91.3	93.7	93.7	93.7	94.0	94.3	94.3	94.3	94.7	95.3

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

73-82

YEARS

APR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	34.3	54.7	59.0	62.7	65.3	66.3	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 20000	36.3	58.3	63.3	67.3	69.7	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 18000	36.0	58.7	63.3	67.3	70.0	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 16000	36.0	58.7	63.3	67.3	70.0	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 14000	36.0	59.0	63.7	67.7	70.3	71.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 12000	36.3	59.7	64.3	68.3	71.0	72.3	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 10000	36.3	60.0	65.0	69.0	71.7	73.0	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 9000	36.3	60.0	65.0	69.0	71.7	73.0	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 8000	36.3	60.0	65.0	69.0	71.7	73.0	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 7000	36.3	60.0	65.0	69.0	71.7	73.0	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 6000	36.7	60.7	65.7	69.7	72.3	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 5000	36.7	60.7	65.7	69.7	72.3	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 4500	36.7	61.3	66.3	70.3	73.0	74.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 4000	37.0	61.7	67.0	71.3	74.0	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3500	37.0	61.7	67.0	71.3	74.0	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 3000	37.0	63.0	68.3	72.7	75.7	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2500	37.0	64.3	71.0	75.3	78.7	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 2000	39.0	66.0	74.0	78.7	82.3	84.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 1800	39.0	66.3	75.3	79.7	83.3	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1500	39.3	67.7	77.0	83.0	87.3	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1200	39.3	68.3	78.3	84.3	88.7	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1000	39.3	69.0	79.0	85.0	89.3	92.3	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 900	39.3	69.0	79.0	85.0	89.3	92.3	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 800	39.3	69.3	79.3	85.3	89.7	93.7	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	39.3	69.3	79.3	85.7	90.3	94.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	39.3	69.3	79.3	85.7	90.3	94.3	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	39.3	69.3	79.3	86.0	90.7	95.0	98.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	39.3	69.3	79.3	86.3	90.7	95.0	98.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	39.3	69.3	79.3	86.3	90.7	95.0	98.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	39.3	69.3	79.3	86.3	90.7	95.0	98.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 100	39.3	69.3	79.3	86.3	90.7	95.0	98.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0	39.3	69.3	79.3	86.3	90.7	95.0	98.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT HUGO, CALIFORNIA

73-82

STATION

STATION NAME

YEARS

APP

MONTH

2
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	34.7	64.7	67.7	71.3	73.3	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 20000	39.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 18000	39.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 16000	39.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 14000	39.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 12000	39.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 10000	41.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 9000	41.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 8000	41.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 7000	41.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 6000	41.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 5000	41.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 4500	42.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 4000	42.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 3500	43.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 3000	43.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 2500	43.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 2000	44.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 1800	44.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 1500	44.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 1200	44.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 1000	45.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 900	45.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 800	45.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 700	45.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 600	45.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 500	45.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 400	45.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 300	45.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 200	45.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 100	45.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 0	45.7	64.7	72.0	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT HUGO, CALIFORNIA

STATION NAME

73-32

YEARS

APR

MONTH

10

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	38.5	64.6	72.9	75.9	77.3	77.3	77.6	77.7	77.5	77.0	77.5	77.0	77.6	77.5	77.6	77.6
≥ 20000	35.1	67.6	76.3	79.6	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 18000	32.1	67.6	76.3	79.6	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 16000	32.1	67.6	76.3	79.6	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 14000	39.5	67.8	76.6	79.9	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 12000	35.4	68.9	77.6	81.9	83.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 10000	40.5	70.9	78.6	81.9	83.6	83.6	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 9000	40.5	70.2	78.9	82.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 8000	40.5	70.2	78.9	82.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 7000	40.5	70.2	78.9	82.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 6000	40.5	70.2	78.9	82.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 5000	40.5	70.2	78.9	82.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 4500	40.5	70.9	79.9	83.6	85.6	85.6	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 4000	41.1	71.2	81.3	84.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3500	41.1	71.2	81.3	84.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3000	41.1	71.2	81.3	84.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2500	41.1	71.2	81.3	84.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2000	41.1	71.2	81.3	84.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1800	42.8	75.6	84.6	88.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500	42.8	75.6	84.6	88.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1200	43.1	77.3	86.3	90.3	93.3	93.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000	43.5	77.6	86.6	91.6	94.3	94.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	43.5	77.6	86.6	91.6	94.3	94.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	43.5	77.6	86.6	91.6	94.3	94.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700	43.5	77.6	86.6	91.6	94.3	94.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600	43.5	77.6	86.6	91.6	94.3	94.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 500	43.5	77.6	86.6	91.6	94.3	94.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	43.5	77.6	86.6	91.6	94.3	94.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 300	43.5	77.6	86.6	91.6	94.3	94.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 200	43.5	77.6	86.6	91.6	94.3	94.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 100	43.5	77.6	86.6	91.6	94.3	94.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 0	43.5	77.6	86.6	91.6	94.3	94.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS

299

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUGO, CALIFORNIA

73-82

APC

STATION

STATION NAME

YEARS

MORPH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	34.7	53.7	66.7	69.0	70.7	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.7	71.7	72.0
≥ 20000	31.0	61.7	71.3	72.7	74.3	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.3	75.3	75.7
IV 18000	31.0	61.7	71.3	72.7	74.3	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.3	75.3	75.7
IV 16000	31.0	61.7	70.3	72.7	74.3	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.3	75.3	75.7
IV 14000	31.0	62.3	71.0	73.3	75.0	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	76.0	76.0	76.3
IV 12000	31.0	62.3	71.0	73.3	75.0	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	76.0	76.0	76.3
IV 10000	31.0	64.0	72.7	75.0	76.7	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.7	77.7	78.0
IV 9000	31.0	64.0	72.7	75.0	76.7	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.7	77.7	78.0
IV 8000	31.0	64.0	73.0	75.3	77.0	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	78.0	78.0	78.3
IV 7000	31.0	65.0	73.7	76.0	77.7	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.7	78.7	79.0
IV 6000	31.0	65.7	74.3	76.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.3	79.3	79.7
IV 5000	31.0	66.3	75.0	77.3	79.0	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	80.0	80.0	80.3
IV 4500	31.0	67.7	76.3	78.7	80.3	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.3	81.3	81.7
IV 4000	31.0	67.7	76.3	78.7	80.3	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.3	81.3	81.7
IV 3500	31.0	68.3	77.3	79.7	81.3	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.3	82.3	82.7
IV 3000	31.0	69.0	78.7	81.0	82.7	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.7	83.7	84.0
IV 2500	41.0	71.0	80.3	82.7	84.3	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.3	85.3	85.7
IV 2000	41.0	72.3	82.3	85.0	86.7	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.7	87.7	88.0
IV 1800	41.0	72.7	82.7	85.3	87.0	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.0	88.0	88.3
IV 1500	42.0	73.7	83.7	86.3	88.0	88.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.3	89.3	89.7
IV 1200	42.0	74.7	84.7	87.3	89.0	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.3	90.3	90.7
IV 1000	42.0	75.7	85.7	88.7	90.7	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.3	92.3	92.7
IV 900	42.0	75.7	85.7	88.7	90.7	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.3	92.3	92.7
IV 800	42.0	75.7	86.3	89.7	91.7	92.7	93.3	93.7	93.7	93.7	93.7	93.7	93.7	94.0	94.0	94.3
IV 700	42.0	76.0	86.7	90.3	92.3	93.7	94.3	94.7	94.7	94.7	94.7	94.7	94.7	95.0	95.0	95.3
IV 600	42.0	76.0	87.3	91.0	93.0	94.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.3	96.3	96.7
IV 500	42.3	76.3	87.7	91.7	93.7	95.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.3	97.3	97.7
IV 400	42.3	76.3	87.7	91.7	94.0	96.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.3	98.3	98.7
IV 300	42.3	76.3	88.0	92.3	94.7	96.7	97.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.3
IV 200	42.3	76.3	88.0	92.3	94.7	96.7	97.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.3
IV 100	42.3	76.3	88.0	92.3	94.7	96.7	97.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.3
IV 0	42.3	76.3	88.0	92.3	94.7	96.7	97.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.3

TOTAL NUMBER OF OBSERVATIONS 370

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

STATION NAME

73-82

YEARS

APD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

26
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	31.3	71.3	76.7	77.3	77.7	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 20000	39.7	72.3	77.7	78.3	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 18000	39.7	72.3	77.7	78.3	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 16000	39.7	72.3	77.7	78.3	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 14000	39.7	72.3	77.7	78.3	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 12000	39.7	72.3	77.7	78.3	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 10000	40.0	73.3	78.7	79.3	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 9000	40.0	73.3	78.7	79.3	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 8000	40.0	73.3	78.7	79.3	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 7000	40.0	73.3	79.0	79.7	80.0	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 6000	40.0	73.3	79.0	79.7	80.0	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 5000	40.0	73.3	79.0	79.7	80.0	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 4500	40.0	74.7	80.3	81.0	81.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4000	40.0	74.7	80.3	81.0	81.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 3500	40.0	75.0	81.0	81.7	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 3000	41.0	75.7	82.0	82.7	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2500	41.0	75.7	82.0	82.7	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2000	41.0	75.7	82.0	82.7	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1800	41.0	75.7	82.0	82.7	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1600	41.0	75.7	82.0	82.7	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1400	41.0	75.7	82.0	82.7	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1200	41.0	75.7	82.0	82.7	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1000	41.0	75.7	82.0	82.7	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 900	41.0	75.7	82.0	82.7	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 800	41.0	75.7	82.0	82.7	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 700	41.0	75.7	82.0	82.7	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 600	41.0	75.7	82.0	82.7	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 500	41.0	75.7	82.0	82.7	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 400	41.0	75.7	82.0	82.7	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 300	41.0	75.7	82.0	82.7	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 200	41.0	75.7	82.0	82.7	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 100	41.0	75.7	82.0	82.7	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 0	41.0	75.7	82.0	82.7	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

STATION NAME

73-82

YEARS

AP?

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	35.7	66.2	66.2	69.2	70.5	70.7	71.2	71.2	71.2	71.3	71.3	71.3	71.4	71.4	71.5	71.7
≥ 20000	34.5	62.2	68.6	71.5	73.7	73.4	73.8	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.2	74.4
≥ 18000	36.5	62.3	68.7	71.6	73.2	73.5	74.0	74.0	74.0	74.1	74.1	74.1	74.2	74.2	74.3	74.5
≥ 16000	36.5	62.3	68.7	71.6	73.2	73.5	74.0	74.0	74.0	74.1	74.1	74.1	74.2	74.2	74.3	74.5
≥ 14000	36.7	62.9	69.2	72.1	73.7	74.0	74.5	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.9	75.1
≥ 12000	36.2	63.3	69.7	72.6	74.2	74.5	75.0	75.0	75.0	75.1	75.2	75.2	75.2	75.2	75.3	75.5
≥ 10000	37.0	64.2	70.6	73.5	75.1	75.4	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.5
≥ 9000	37.1	64.3	70.7	73.6	75.2	75.5	76.0	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.4	76.6
≥ 8000	37.3	64.4	70.9	73.8	75.4	75.7	76.2	76.2	76.2	76.3	76.4	76.4	76.4	76.4	76.5	76.7
≥ 7000	37.4	64.6	71.1	74.1	75.7	76.0	76.5	76.5	76.5	76.6	76.7	76.7	76.7	76.7	76.8	77.0
≥ 6000	37.6	64.9	71.4	74.4	76.0	76.3	76.8	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.2	77.4
≥ 5000	37.7	65.2	71.8	74.8	76.4	76.7	77.2	77.3	77.3	77.4	77.4	77.5	77.5	77.5	77.6	77.8
≥ 4500	38.1	66.0	72.7	75.7	77.5	77.8	78.3	78.3	78.3	78.4	78.5	78.5	78.5	78.5	78.6	78.8
≥ 4000	38.1	66.3	73.1	76.2	77.9	78.2	78.7	78.8	78.8	78.9	78.9	78.9	79.0	79.0	79.1	79.3
≥ 3500	38.3	66.7	73.6	76.7	78.4	78.7	79.2	79.3	79.3	79.4	79.4	79.4	79.5	79.5	79.6	79.8
≥ 3000	38.9	67.9	74.9	78.1	79.9	80.2	80.7	80.8	80.9	80.9	80.9	80.9	81.0	81.0	81.1	81.3
≥ 2500	39.5	68.9	76.2	79.4	81.2	81.6	82.2	82.2	82.2	82.3	82.4	82.4	82.4	82.4	82.5	82.7
≥ 2000	40.1	70.6	78.3	81.9	83.9	84.4	85.0	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.5	85.7
≥ 1800	40.1	70.8	78.7	82.3	84.4	84.9	85.5	85.7	85.7	85.7	85.8	85.8	85.8	85.8	86.0	86.2
≥ 1500	40.4	71.0	80.6	84.5	86.8	87.4	88.1	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.5	88.8
≥ 1200	40.6	72.9	81.8	85.8	88.5	89.0	89.8	89.9	89.9	90.0	90.0	90.0	90.1	90.1	90.2	90.4
≥ 1000	40.8	73.7	82.6	86.8	89.6	90.4	91.5	91.7	91.7	91.8	91.8	91.8	91.9	91.9	92.0	92.2
≥ 900	40.8	73.7	82.7	86.9	89.9	90.7	91.9	92.1	92.1	92.2	92.2	92.2	92.3	92.3	92.4	92.6
≥ 800	40.8	73.9	83.2	87.5	90.6	91.8	93.0	93.3	93.3	93.4	93.5	93.5	93.5	93.5	93.6	93.8
≥ 700	40.8	74.2	83.8	88.3	91.6	92.8	94.1	94.6	94.6	94.7	94.8	94.8	94.8	94.8	95.0	95.2
≥ 600	40.8	74.2	84.1	88.5	91.9	93.3	94.8	95.3	95.3	95.5	95.5	95.5	95.5	95.6	95.7	95.9
≥ 500	40.9	74.3	84.1	88.7	92.2	93.8	95.4	95.9	95.9	96.1	96.2	96.2	96.3	96.3	96.4	96.6
≥ 400	40.9	74.3	84.2	88.8	92.5	94.1	95.9	96.7	96.7	96.9	97.0	97.0	97.0	97.0	97.2	97.4
≥ 300	40.9	74.3	84.3	89.0	92.8	94.4	96.6	97.5	97.5	98.0	98.1	98.1	98.2	98.2	98.3	98.5
≥ 200	40.9	74.3	84.3	89.0	92.8	94.4	96.7	97.5	97.5	98.2	98.5	98.5	98.6	98.6	98.9	99.1
≥ 100	40.9	74.3	84.3	89.0	92.8	94.4	96.7	97.5	97.5	98.3	98.7	98.7	98.8	98.8	99.1	99.4
≥ 0	40.9	74.3	84.3	89.0	92.8	94.4	96.7	97.5	97.5	98.3	98.7	98.7	98.8	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

2399

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 11

POINT MUGO, CALIFORNIA

STATION NAME

73-82

YEARS

MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	19.7	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
≥ 20000	19.7	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
18000	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
16000	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
14000	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
12000	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
10000	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
9000	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
8000	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
7000	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
6000	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
5000	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
4500	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
4000	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
3500	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
3000	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
2500	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
2000	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
1800	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
1500	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
1200	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
1000	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
900	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
800	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
700	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
600	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
500	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
400	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
300	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
200	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
100	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0
0	19.0	46.4	54.2	57.4	58.4	58.7	58.7	58.7	58.7	58.7	56.7	59.0	59.0	59.0	59.0	59.0

TOTAL NUMBER OF OBSERVATIONS

313

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT HUGO, CALIFORNIA

STATION NAME

73-82

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.1	39.7	45.2	47.1	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000	17.4	39.7	45.8	47.7	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 18000	17.4	39.7	45.8	47.7	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 16000	17.4	39.7	45.8	47.7	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 14000	17.4	39.7	45.8	47.7	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 12000	17.4	39.7	45.8	47.7	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 10000	17.4	39.7	45.8	47.7	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 9000	17.4	39.7	45.8	47.7	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 8000	17.7	40.3	46.1	48.1	50.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 7000	17.7	40.3	46.1	48.1	50.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 6000	17.7	41.0	46.1	48.1	50.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 5000	17.7	41.0	47.1	49.0	51.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 4500	17.7	41.0	47.1	49.0	51.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 4000	17.7	41.0	47.1	49.0	51.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 3500	17.7	41.0	47.1	49.0	51.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 3000	17.7	41.9	48.1	50.0	51.9	51.9	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 2500	18.1	43.6	53.3	52.3	54.2	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 2000	18.4	46.5	55.2	57.4	59.4	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 1800	18.4	47.1	55.8	58.1	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 1500	18.4	47.4	58.7	61.6	64.2	64.2	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 1200	18.7	50.3	61.0	64.8	67.7	67.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 1000	18.7	51.3	62.9	67.7	72.6	72.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 900	18.7	51.9	63.9	69.0	74.2	74.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 800	18.7	53.9	66.5	72.3	78.4	78.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 700	18.7	54.8	68.4	74.8	83.2	83.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 600	18.7	55.5	69.0	75.5	83.9	83.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 500	18.7	55.8	70.0	77.1	86.1	86.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 400	18.7	55.8	70.3	77.7	87.7	87.7	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 300	18.7	55.8	70.3	78.1	88.7	88.7	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 200	18.7	55.8	70.3	78.1	88.7	88.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 100	18.7	55.8	70.3	78.1	88.7	88.7	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 0	18.7	55.8	70.3	78.1	88.7	88.7	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

11
STATION

POINT MUGO, CALIFORNIA
STATION NAME

73-82
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

(7
HOURS (L E T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.3	29.3	34.9	38.4	40.1	40.7	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 20000	17.6	29.3	35.8	39.1	41.0	41.7	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
IV 18000	17.6	29.3	35.8	39.1	41.0	41.7	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
IV 16000	17.6	29.3	35.8	39.1	41.0	41.7	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
IV 14000	17.6	29.3	35.8	39.1	41.0	41.7	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
IV 12000	17.6	29.3	35.8	39.1	41.0	41.7	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
IV 10000	17.9	30.0	36.5	39.7	41.7	42.4	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
IV 9000	17.9	30.0	36.5	39.7	41.7	42.4	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
IV 8000	17.9	30.0	36.5	39.7	41.7	42.4	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
IV 7000	18.2	30.3	36.8	40.1	42.0	42.7	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
IV 6000	18.6	30.6	37.1	40.4	42.4	43.0	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IV 5000	18.6	30.6	37.5	40.7	42.7	43.3	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 4500	18.9	30.9	37.8	41.0	43.0	43.7	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
IV 4000	18.9	30.9	37.8	41.0	43.0	43.7	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
IV 3500	18.9	31.3	38.4	41.7	43.7	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 3000	19.5	32.6	39.4	42.7	45.0	45.6	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IV 2500	20.2	34.9	41.7	45.3	47.6	48.2	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
IV 2000	20.9	36.8	45.6	50.2	53.4	54.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 1800	20.9	37.1	46.3	50.8	54.1	55.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV 1500	20.9	39.7	50.8	56.0	60.3	63.8	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 1200	21.2	40.1	51.8	58.6	63.5	67.1	68.7	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 1000	21.2	41.7	53.8	61.4	66.8	71.7	73.6	74.3	74.3	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 900	21.2	41.7	53.8	62.8	68.1	73.3	75.2	76.2	76.2	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 800	21.2	42.0	54.1	63.8	69.7	76.9	80.5	81.8	81.8	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 700	21.2	42.0	54.1	63.8	70.0	79.2	84.0	85.7	85.7	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 600	21.2	42.0	54.1	64.5	71.0	80.8	86.3	88.3	88.3	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 500	21.2	42.0	54.1	64.5	71.0	81.4	87.6	89.9	89.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 400	21.2	42.0	54.1	64.5	71.0	81.8	88.9	91.5	91.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 300	21.2	42.0	54.1	64.8	71.7	82.4	89.9	93.2	93.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 200	21.2	42.0	54.1	64.8	71.7	82.4	89.9	93.2	93.2	97.4	98.1	98.1	98.1	98.1	98.1	98.1
IV 100	21.2	42.0	54.1	64.8	71.7	82.4	89.9	93.2	93.2	97.4	98.1	98.1	98.1	98.1	99.0	99.4
IV 0	21.2	42.0	54.1	64.8	71.7	82.4	89.9	93.2	93.2	97.4	98.1	98.1	98.1	98.1	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

307

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

STATION NAME

73-82

YEARS

MAY

MONTH

10
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.1	41.6	47.1	49.4	51.6	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000	21.1	42.9	48.4	51.7	52.9	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 18000	21.1	42.9	48.4	51.7	52.9	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 16000	21.1	42.9	48.4	51.7	52.9	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 14000	21.4	43.2	48.7	51.0	53.3	54.2	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 12000	21.4	43.2	48.7	51.0	53.3	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 10000	21.3	43.5	49.0	51.3	53.9	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 9000	21.3	43.5	49.0	51.3	53.9	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 8000	22.1	43.8	49.4	51.6	54.2	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 7000	22.1	43.8	49.4	51.6	54.2	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 6000	22.1	43.8	49.4	51.6	54.2	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 5000	22.1	44.2	49.7	52.0	54.6	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 4500	22.1	44.8	50.3	52.6	55.2	56.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 4000	22.1	44.8	50.3	52.6	55.2	56.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 3500	22.4	45.5	51.0	53.3	55.8	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 3000	22.7	47.4	52.9	55.2	57.8	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 2500	23.1	48.7	55.2	57.8	60.4	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 2000	23.4	50.3	58.4	63.0	65.9	67.2	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 1800	23.4	51.0	59.1	64.4	67.5	68.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 1500	23.7	52.9	61.4	67.5	72.7	74.4	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 1200	23.7	53.3	62.3	69.5	75.3	78.6	79.9	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 1000	23.7	53.3	62.3	70.1	77.3	81.5	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 900	23.7	53.3	62.3	71.5	77.9	82.1	85.7	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 800	23.7	53.6	63.0	71.4	79.6	84.4	89.3	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 700	23.7	53.6	63.0	71.4	80.2	86.0	91.6	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 600	23.7	53.6	63.0	71.4	80.2	86.4	92.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 500	23.7	53.6	63.0	71.8	80.8	87.0	94.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 400	23.7	53.6	63.0	71.8	80.8	87.3	95.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 300	23.7	53.6	63.0	71.8	81.2	88.0	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	23.7	53.6	63.0	71.4	81.2	88.0	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	23.7	53.6	63.0	71.4	81.2	88.0	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 0	23.7	53.6	63.0	71.8	81.2	88.0	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 308

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGU, CALIFORNIA

STATION NAME

73-82

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

13

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	24.7	40.2	52.4	55.7	57.7	57.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 20000	26.5	50.2	55.3	57.9	59.9	61.2	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 18000	26.9	50.5	55.7	58.3	60.2	61.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 16000	26.9	50.5	55.7	58.3	60.7	61.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 14000	26.9	50.5	55.7	58.3	60.2	61.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 12000	26.9	50.5	56.0	58.9	60.8	62.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 10000	26.9	50.5	56.0	58.9	60.8	62.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 9000	26.9	50.5	56.0	58.9	60.8	62.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 8000	27.2	51.1	56.3	59.2	61.2	62.5	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 7000	27.2	51.1	56.3	59.2	61.2	62.5	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 6000	27.2	51.1	56.3	59.2	61.2	62.5	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 5000	27.2	52.1	57.3	60.2	62.1	63.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 4500	27.2	52.6	57.9	60.8	62.8	64.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 4000	27.5	53.1	58.3	61.2	63.1	64.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 3500	27.8	53.4	58.6	61.5	63.4	64.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 3000	27.8	53.4	58.6	61.2	64.7	67.0	68.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 2500	28.2	53.6	62.8	67.6	70.6	71.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 2000	28.2	57.0	64.1	70.2	73.5	74.8	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 1800	28.5	57.0	64.1	70.2	73.5	74.8	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 1500	28.5	58.9	67.3	74.4	78.3	80.3	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 1200	28.5	59.2	69.3	76.4	80.9	83.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 1000	28.5	59.9	69.9	77.7	82.5	86.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 900	28.5	59.9	71.2	78.3	84.1	88.7	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 800	28.5	59.9	71.2	78.3	84.1	88.7	90.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 700	28.5	59.9	70.9	80.3	87.1	92.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 600	28.5	59.9	70.9	80.3	87.4	92.9	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 500	28.5	59.9	71.2	81.2	88.7	94.2	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 400	28.5	59.9	71.2	81.2	89.0	94.5	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	28.5	59.9	71.2	81.2	89.0	94.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	28.5	59.9	71.2	81.2	89.0	94.5	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	28.5	59.9	71.2	81.2	89.0	94.5	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	28.5	59.9	71.2	81.2	89.0	94.5	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

309

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

STATION NAME

73-82

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	27.5	51.1	59.9	64.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 20000	29.8	54.1	63.4	68.0	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 18000	29.8	54.1	63.4	68.0	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 16000	29.8	54.1	63.4	68.0	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 14000	29.8	54.1	63.4	68.0	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 12000	29.8	54.1	63.4	68.0	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 10000	30.1	54.4	64.1	68.6	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 9000	30.1	54.7	64.4	68.9	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 8000	30.1	54.7	64.4	68.9	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 7000	30.1	54.7	64.4	68.9	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 6000	30.1	54.7	64.4	68.9	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 5000	30.1	55.3	65.1	69.6	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 4500	30.1	55.3	65.1	69.6	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 4000	30.4	55.7	65.4	69.9	73.5	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 3500	30.4	55.7	65.4	69.9	73.5	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 3000	31.1	57.0	67.3	71.5	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 2500	31.4	57.6	68.0	72.5	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 2000	31.4	57.6	68.0	72.5	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 1800	31.4	57.6	68.0	72.5	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 1500	31.4	57.6	68.0	72.5	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 1200	31.4	57.6	68.0	72.5	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 1000	31.4	57.6	68.0	72.5	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 900	31.4	57.6	68.0	72.5	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 800	31.4	57.6	68.0	72.5	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 700	31.4	57.6	68.0	72.5	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 600	31.4	57.6	68.0	72.5	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 500	31.4	57.6	68.0	72.5	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 400	31.4	57.6	68.0	72.5	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 300	31.4	57.6	68.0	72.5	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 200	31.4	57.6	68.0	72.5	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 100	31.4	57.6	68.0	72.5	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 0	31.4	57.6	68.0	72.5	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4

TOTAL NUMBER OF OBSERVATIONS

339

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUGG, CALIFORNIA

73-82

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	23.6	47.4	57.7	63.9	64.5	64.8	65.2	65.5	65.5	65.8	65.8	65.8	65.8	65.3	65.9	65.8
≥ 20000	24.5	51.0	59.4	65.5	66.1	66.5	66.8	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 18000	24.5	51.0	59.4	65.5	66.1	66.5	66.8	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 16000	24.5	51.0	59.4	65.5	66.1	66.5	66.8	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 14000	24.5	51.0	59.4	65.5	66.1	66.5	66.8	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 12000	24.5	51.0	59.4	65.5	66.1	66.5	66.8	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 10000	24.5	51.0	59.4	65.5	66.1	66.5	66.8	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 9000	24.5	51.0	59.4	65.5	66.1	66.5	66.8	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 8000	25.2	52.9	61.3	67.4	68.1	68.4	68.7	69.0	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 7000	25.2	52.9	61.3	67.4	68.1	68.4	68.7	69.0	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 6000	25.5	53.2	61.6	67.7	68.4	68.7	69.0	69.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 5000	25.5	53.2	61.6	67.7	68.4	68.7	69.0	69.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 4500	25.8	54.2	62.6	68.7	69.4	69.7	70.0	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 4000	25.8	54.2	62.6	68.7	69.4	69.7	70.0	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 3500	25.8	54.2	62.6	68.7	69.4	69.7	70.0	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 3000	26.1	55.2	64.8	71.0	71.6	71.9	72.3	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 2500	26.8	56.8	66.5	72.6	73.2	73.6	73.9	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 2000	27.4	59.4	69.7	75.8	76.8	77.1	77.4	77.7	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 1800	27.4	59.4	69.7	75.8	76.8	77.1	77.4	77.7	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 1500	27.4	59.4	69.7	75.8	76.8	77.1	77.4	77.7	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 1200	27.4	59.4	69.7	75.8	76.8	77.1	77.4	77.7	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 1000	27.7	63.6	76.1	83.6	84.8	85.5	85.8	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 900	27.7	63.6	76.1	83.6	84.8	85.5	85.8	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 800	27.7	63.6	76.1	83.6	84.8	85.5	85.8	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 700	27.7	63.6	76.1	83.6	84.8	85.5	85.8	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 600	27.7	63.6	76.1	83.6	84.8	85.5	85.8	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 500	27.7	63.6	76.1	83.6	84.8	85.5	85.8	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 400	27.7	63.6	76.1	83.6	84.8	85.5	85.8	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 300	27.7	63.6	76.1	83.6	84.8	85.5	85.8	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 200	27.7	63.6	76.1	83.6	84.8	85.5	85.8	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 100	27.7	63.6	76.1	83.6	84.8	85.5	85.8	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 0	27.7	63.6	76.1	83.6	84.8	85.5	85.8	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5

TOTAL NUMBER OF OBSERVATIONS

517

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

STATION NAME

73-82

YEARS

MAY

MONTH

02

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	24.2	57.1	65.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 20000	24.5	58.1	66.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 18000	24.5	58.1	66.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 16000	24.5	58.1	66.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 14000	24.5	58.4	66.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 12000	24.5	58.7	67.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 10000	24.5	58.7	67.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 9000	24.8	59.1	67.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 8000	25.2	59.4	67.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 7000	25.2	59.4	67.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 6000	25.2	59.7	68.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 5000	25.2	60.0	68.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 4500	25.2	60.0	68.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 4000	25.2	60.0	68.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 3500	25.2	60.3	68.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 3000	25.2	60.6	69.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 2500	26.0	62.9	71.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 2000	27.1	63.9	73.6	75.8	75.8	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 1800	27.1	63.9	73.6	75.8	76.1	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 1500	27.1	65.2	75.5	78.1	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 1200	27.1	65.2	75.5	78.1	78.4	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 1000	27.4	67.4	79.1	82.3	82.9	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 900	27.4	67.7	79.7	82.9	83.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 800	27.4	69.0	82.3	85.5	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 700	27.4	69.4	83.6	88.7	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 600	27.4	69.4	83.9	89.0	91.6	91.9	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 500	27.4	67.7	84.2	89.7	92.3	92.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 400	27.4	67.7	84.2	89.7	93.2	93.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 300	27.4	69.7	84.5	90.0	93.6	94.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 200	27.4	69.7	84.5	90.0	93.6	94.2	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 100	27.4	69.7	84.5	90.0	93.6	94.2	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 0	27.4	69.7	84.5	90.0	93.6	94.2	96.8	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUGO, CALIFORNIA

77-82

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	21.7	45.5	52.1	55.4	56.2	57.4	57.7	57.8	57.8	57.9	58.0	58.1	58.1	58.1	58.1	58.1
≥ 20000	22.0	46.7	53.6	56.9	58.5	59.0	59.4	59.4	59.4	59.5	59.6	59.6	59.6	59.6	59.6	59.6
≥ 18000	22.5	46.7	53.7	56.9	58.6	59.1	59.4	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 16000	22.4	46.7	53.7	56.9	58.6	59.1	59.4	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 14000	22.7	46.9	53.8	57.1	58.7	59.2	59.6	59.6	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8
≥ 12000	22.7	47.1	54.0	57.3	59.1	59.4	59.8	59.9	59.9	60.0	60.1	60.1	60.1	60.1	60.1	60.1
≥ 10000	22.8	47.2	54.2	57.5	59.2	59.7	60.1	60.1	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3
≥ 9000	22.9	47.4	54.4	57.7	59.4	59.9	60.2	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 8000	23.1	47.6	54.6	58.0	59.6	60.1	60.5	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 7000	23.1	47.7	54.7	58.0	59.7	60.2	60.5	60.5	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 6000	23.2	47.8	54.8	58.2	59.9	60.3	60.7	60.7	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 5000	23.2	48.3	55.3	58.6	60.3	60.8	61.2	61.2	61.2	61.3	61.4	61.4	61.4	61.4	61.4	61.4
≥ 4500	23.3	48.7	55.8	59.1	60.9	61.3	61.6	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 4000	23.4	48.8	55.8	59.2	60.9	61.3	61.7	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 3500	23.5	49.1	56.2	59.5	61.2	61.7	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 3000	23.6	50.3	57.7	61.1	62.0	63.4	63.8	63.8	63.8	63.9	64.0	64.0	64.0	64.0	64.0	64.0
≥ 2500	24.3	51.7	59.4	63.0	64.9	65.4	65.8	65.8	65.8	66.0	66.1	66.1	66.1	66.1	66.1	66.1
≥ 2000	24.6	53.3	62.4	66.0	68.3	69.4	69.9	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 1800	24.4	53.7	62.8	67.2	69.4	70.1	70.6	70.7	70.7	70.8	70.9	70.9	70.9	70.9	70.9	70.9
≥ 1500	24.7	55.4	65.5	70.4	73.3	74.4	75.0	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 1200	24.8	55.9	66.7	72.4	75.3	76.9	77.7	77.9	77.9	78.0	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1000	24.9	57.2	68.8	75.0	78.9	80.7	81.8	82.1	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 900	24.9	57.4	69.2	75.4	80.0	82.1	83.3	83.6	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 800	24.9	58.3	70.7	77.8	82.9	85.4	87.3	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 700	24.9	58.8	71.5	79.1	84.8	87.9	90.3	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 600	24.9	58.9	71.7	79.5	85.5	88.9	91.7	92.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 500	24.9	59.0	72.0	80.2	86.5	90.1	93.3	93.9	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 400	25.1	59.0	72.1	80.4	87.2	90.9	94.5	95.3	95.4	95.8	95.9	95.9	95.9	95.9	95.9	95.9
≥ 300	25.1	59.0	72.2	81.6	87.7	91.6	95.8	96.8	96.9	97.7	97.9	97.9	97.9	97.9	97.9	97.9
≥ 200	25.1	59.0	72.2	81.6	87.8	91.7	96.2	97.4	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	25.0	59.0	72.2	81.6	87.8	91.7	96.3	97.5	97.6	98.9	99.2	99.3	99.4	99.4	99.4	99.4
≥ 0	25.0	59.0	72.2	80.6	87.8	91.7	96.3	97.6	97.7	98.9	99.3	99.4	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS

2473

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUGO, CALIFORNIA

17-82

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	17.4	51.2	59.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 20000	17.4	51.2	59.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 18000	17.4	51.2	59.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 16000	17.4	51.2	59.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 14000	17.4	51.2	59.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 12000	17.4	51.2	59.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 10000	17.7	51.2	59.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 9000	17.7	51.2	59.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 8000	18.1	51.2	60.2	61.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 7000	18.1	51.2	60.2	61.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 6000	18.1	51.2	60.2	61.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 5000	18.1	51.2	60.2	61.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 4500	18.1	51.2	60.2	61.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 4000	18.1	51.2	60.2	61.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 3500	18.4	51.2	61.2	61.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 3000	18.7	51.2	61.2	62.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 2500	18.1	52.2	61.2	62.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 2000	18.4	53.2	62.2	63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 1800	18.4	53.2	62.2	63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 1500	18.4	54.2	63.2	64.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 1200	18.4	54.2	64.2	65.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 1000	20.1	56.2	66.2	67.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 900	20.1	56.2	67.2	68.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 800	20.1	57.2	68.2	69.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 700	20.1	57.2	69.2	70.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 600	20.1	58.2	70.2	71.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 500	20.1	58.2	71.2	72.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 400	20.1	58.2	72.2	73.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 300	20.1	58.2	73.2	74.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 200	20.1	58.2	74.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 100	20.1	58.2	75.2	76.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 0	20.1	58.2	76.2	77.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

STATION NAME

17-52

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	15.1	30.6	46.5	47.6	48.5	48.8	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 20000	15.1	30.6	47.5	48.6	49.5	49.8	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 18000	15.1	30.6	47.5	48.6	49.5	49.8	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 16000	15.1	30.6	47.5	48.6	49.5	49.8	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 14000	15.1	30.6	47.5	48.6	49.5	49.8	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 12000	15.1	30.6	47.5	48.6	49.5	49.8	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 10000	15.4	40.1	47.8	49.2	50.2	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 9000	15.4	40.1	47.8	49.2	50.2	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 8000	15.4	40.1	47.8	49.2	50.2	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 7000	15.4	40.1	47.8	49.2	50.2	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 6000	15.4	40.1	47.8	49.2	50.2	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 5000	15.4	40.1	47.8	49.2	50.2	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 4500	15.4	40.1	47.8	49.2	50.2	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 4000	15.4	40.1	47.8	49.2	50.2	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 3500	15.4	40.1	47.8	49.2	50.2	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 3000	15.7	40.8	48.5	49.8	50.8	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 2500	16.1	41.1	48.9	50.2	51.5	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 2000	16.4	42.1	50.5	51.8	53.2	53.5	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 1800	16.4	43.1	51.5	53.2	54.5	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 1500	16.4	44.5	53.5	55.5	56.9	57.2	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 1200	16.4	45.5	54.9	56.9	58.9	59.2	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 1000	16.4	47.2	58.5	61.9	64.9	65.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 900	16.4	47.2	59.2	62.5	66.2	66.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 800	16.4	47.2	61.9	65.2	69.9	70.2	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 700	16.4	51.2	64.9	68.9	75.3	75.6	77.6	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 600	16.4	51.2	66.2	71.2	77.9	78.6	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 500	16.4	52.5	66.9	72.2	80.3	81.3	85.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 400	16.4	52.5	68.2	73.6	82.9	84.3	88.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 300	16.4	52.5	68.2	73.6	83.3	84.6	91.3	92.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 200	16.4	52.5	68.2	73.6	83.3	84.6	91.6	93.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 100	16.4	52.5	68.2	73.6	83.3	84.6	92.7	94.3	95.3	96.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 0	16.4	52.5	68.2	73.6	83.3	84.6	92.7	94.3	95.3	96.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

296

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

STATION NAME

13-22

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	14.1	27.9	36.6	39.9	42.9	42.0	42.0	42.3	42.3	43.0	43.7	43.0	43.0	43.0	43.0	43.0
≥ 20000	14.1	30.5	37.6	40.9	42.0	43.0	43.0	43.3	43.3	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 18000	14.4	30.7	37.9	41.3	42.3	43.3	43.3	43.6	43.6	44.3	44.3	44.3	44.3	44.3	44.3	44.3
IV 16000	14.4	31.2	38.3	41.6	42.6	43.6	43.6	44.7	44.7	44.6	44.6	44.6	44.6	44.6	44.6	44.6
IV 14000	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 12000	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 10000	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 9000	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 8000	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 7000	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 6000	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 5000	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 4500	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 4000	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 3500	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 3000	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 2500	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 2000	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 1800	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 1500	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 1200	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 1000	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 900	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 800	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 700	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 600	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 500	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 400	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 300	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 200	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 100	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 0	14.7	31.5	38.6	42.0	43.0	44.0	44.0	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0

TOTAL NUMBER OF OBSERVATIONS

298

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MCG, CALIFORNIA

STATION NAME

13-82

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	19.4	37.8	42.8	47.8	49.8	51.5	50.8	50.8	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 20000	19.4	36.1	43.8	48.6	51.2	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
IV 18000	19.4	36.1	43.8	48.6	51.2	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
IV 16000	19.7	36.8	44.5	49.5	51.8	52.5	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
IV 14000	19.7	36.1	44.8	49.8	52.2	52.8	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 12000	19.7	36.1	44.8	49.8	52.2	52.8	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 10000	19.1	36.5	45.2	50.2	52.5	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 9000	19.1	36.5	45.2	50.2	52.5	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 8000	19.1	36.5	45.2	50.2	52.5	53.2	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 7000	19.1	36.5	45.2	50.2	52.5	53.2	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 6000	19.1	36.5	45.2	50.2	52.5	53.2	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 5000	19.1	36.5	45.2	50.2	52.5	53.2	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 4500	19.7	40.1	45.8	50.8	53.2	53.9	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 4000	19.7	40.1	45.8	50.8	53.2	53.9	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 3500	19.7	40.1	45.8	50.8	53.2	53.9	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 3000	20.4	41.1	46.8	51.8	54.5	55.2	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 2500	20.4	42.5	48.5	53.5	56.2	56.9	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 2000	20.7	44.8	51.8	57.9	61.2	61.9	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 1800	20.7	44.8	52.2	58.9	62.2	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 1500	21.1	46.2	53.9	61.2	65.6	66.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 1200	21.1	46.5	55.5	63.2	68.2	69.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 1000	21.1	46.8	56.9	67.2	72.9	77.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 900	21.1	46.8	57.2	68.6	74.9	79.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 800	21.1	46.8	57.9	69.6	77.3	82.3	84.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 700	21.1	46.8	57.9	70.6	78.9	85.0	89.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 600	21.1	46.8	57.9	70.9	79.6	86.3	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 500	21.1	46.8	57.9	70.9	79.6	88.0	93.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 400	21.1	46.8	57.9	70.9	79.6	88.3	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 300	21.1	46.8	57.9	70.9	79.6	88.6	95.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 200	21.1	46.8	57.9	70.9	79.6	88.6	95.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 100	21.1	46.8	57.9	70.9	79.6	88.6	95.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 0	21.1	46.8	57.9	70.9	79.6	88.6	95.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS

209

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

STATION NAME

73-72

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	23.0	40.2	58.2	60.2	62.5	63.2	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 20000	24.1	47.2	59.5	61.9	63.9	64.6	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 18000	24.4	47.5	59.9	61.9	64.2	64.9	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 16000	24.4	47.5	59.9	61.9	64.6	65.2	66.2	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 14000	24.4	47.8	60.2	62.2	64.9	65.6	66.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 12000	24.4	47.8	60.2	62.2	65.2	65.9	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 10000	24.4	47.8	60.5	62.5	65.6	66.2	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 9000	24.4	47.8	60.5	62.5	65.6	66.2	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 8000	24.4	47.8	60.5	62.5	65.6	66.2	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 7000	24.4	47.8	60.5	62.5	65.6	66.2	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 6000	24.4	47.8	60.5	62.5	65.6	66.2	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 5000	24.4	47.8	60.5	62.5	65.6	66.2	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 4500	24.4	47.8	60.5	62.5	65.6	66.2	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 4000	24.4	47.8	60.5	62.5	65.6	66.2	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 3500	24.4	47.8	60.5	62.5	65.6	66.2	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 3000	24.4	51.2	61.9	64.6	67.6	68.2	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 2500	24.4	51.2	63.6	66.6	69.6	70.2	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 2000	24.4	51.2	63.6	66.6	69.6	70.2	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 1800	24.4	51.2	63.6	66.6	69.6	70.2	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 1500	24.4	53.5	66.9	70.6	73.6	74.6	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 1200	24.4	53.5	68.6	72.9	76.3	77.6	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 1000	24.4	53.5	72.6	76.6	82.9	84.6	88.0	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 900	24.4	53.5	72.9	79.3	83.6	85.3	89.7	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 800	24.4	53.5	72.9	79.9	85.3	87.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 700	24.4	55.2	73.6	80.6	86.5	89.3	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 600	24.4	55.2	73.6	81.3	87.3	90.0	94.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 500	24.4	55.2	73.6	81.3	87.6	90.6	95.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 400	24.4	55.2	73.6	81.6	86.6	91.6	96.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 300	24.4	55.2	73.6	81.6	89.0	92.3	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	24.4	55.2	73.6	81.9	89.3	92.6	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	24.4	55.2	73.6	81.9	89.3	92.6	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	24.4	55.2	73.6	81.9	89.3	92.6	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

299

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

13-82

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	26.4	54.4	65.6	69.2	71.2	73.9	71.2	71.2	71.2	71.2	71.2	71.4	71.2	71.2	71.2	71.2
≥ 20000	26.4	55.2	66.6	7.2	71.6	72.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 18000	26.4	55.5	67.2	70.9	72.2	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 14000	26.4	55.5	67.2	70.9	72.2	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 14000	26.4	55.5	67.2	70.9	72.2	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 12000	26.4	55.5	67.2	7.9	72.2	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 10000	26.4	55.5	67.2	7.9	72.2	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 9000	26.4	55.5	67.2	70.9	72.2	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 8000	26.4	55.5	67.2	70.9	72.2	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 7000	26.4	55.5	67.2	7.9	72.2	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 6000	26.4	55.5	67.2	7.9	72.2	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 5000	26.4	55.5	67.2	70.9	72.2	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 4500	26.4	55.5	67.2	70.9	72.2	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 4000	26.4	55.5	67.2	70.9	72.2	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 3500	27.4	56.5	67.6	71.2	72.6	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 3000	27.4	56.5	68.2	72.2	73.6	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 2500	27.4	56.5	69.2	73.2	74.9	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 2000	27.4	57.2	69.9	73.9	75.6	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 1800	27.4	57.5	70.7	74.3	75.9	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 1500	28.1	58.2	72.9	77.9	80.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 1200	28.1	58.9	74.9	81.3	84.3	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 1000	28.1	60.9	77.6	84.6	88.6	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 900	28.1	61.2	77.9	85.0	89.3	90.6	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 800	28.1	61.5	78.3	85.3	90.0	91.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 700	28.1	62.2	78.9	86.3	91.3	93.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 600	28.1	62.2	78.9	87.0	92.0	94.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 500	28.1	62.2	78.9	87.0	92.0	94.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 400	28.1	62.2	78.9	87.0	92.6	96.0	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	28.1	62.2	78.9	87.0	92.6	96.0	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	28.1	62.2	78.9	87.0	92.6	96.0	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	28.1	62.2	78.9	87.0	92.6	96.0	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	28.1	62.2	78.9	87.0	92.6	96.0	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

299

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

STATION NAME

73-32

YEARS

JULY

MONTH

14

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	22.1	61.5	68.6	71.9	72.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 20000	22.4	61.9	71.0	72.9	74.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 18000	20.1	62.5	71.2	73.6	75.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 14000	20.1	62.5	71.2	73.6	75.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 14000	20.1	62.5	71.2	73.9	75.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 12000	20.1	62.5	71.2	73.9	75.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 10000	20.1	62.5	71.2	73.9	75.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 9000	20.1	62.5	71.2	73.9	75.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 8000	20.1	62.5	71.2	73.9	75.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 7000	20.1	62.5	71.2	73.9	75.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 6000	20.1	62.5	71.2	73.9	75.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 5000	20.1	62.5	71.2	73.9	75.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 4500	20.1	62.5	71.2	73.9	75.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 4000	20.1	62.5	71.2	73.9	75.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 3500	20.1	62.5	71.2	73.9	75.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 3000	20.4	63.7	71.6	74.3	76.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 2500	20.4	63.7	71.9	74.6	76.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 2000	21.1	63.7	72.6	75.3	77.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 1800	21.1	64.2	72.9	75.6	77.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 1500	21.1	65.2	74.6	77.3	79.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 1200	21.1	65.2	74.9	77.9	80.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 1000	21.1	66.2	76.6	79.6	82.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 900	21.1	66.6	77.9	80.9	83.6	84.6	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 800	21.1	67.6	79.6	84.1	87.6	89.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 700	21.1	67.6	79.9	85.3	89.0	91.3	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 600	21.1	67.9	80.9	87.0	90.6	94.0	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 500	21.1	67.9	80.9	87.3	91.0	94.7	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 400	21.1	67.9	80.9	87.3	91.0	95.3	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 300	21.1	67.9	80.9	87.6	91.3	95.7	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 200	21.1	67.9	80.9	88.0	91.6	96.0	97.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 100	21.1	67.9	80.9	88.0	91.6	96.0	97.3	98.3	98.3	98.7	98.7	98.7	98.7	99.0	99.7	100.0
IV 0	21.1	67.9	80.9	88.0	91.6	96.0	97.3	98.3	98.3	98.7	98.7	98.7	98.7	99.0	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

299

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT HUGU, CALIFORNIA

STATION NAME

73-82

YEARS

MONTH

22

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	27.2	59.1	66.8	68.1	69.9	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 20000	27.2	59.7	67.5	68.8	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 18000	27.5	60.4	67.8	69.1	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 16000	27.9	60.4	68.1	69.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 14000	27.9	60.4	68.1	69.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 12000	27.9	60.4	68.1	69.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 10000	29.5	61.1	68.8	70.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 9000	29.5	61.1	68.8	70.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 8000	28.5	61.1	68.8	70.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 7000	28.5	61.1	68.8	70.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 6000	28.5	61.1	68.8	70.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 5000	28.5	61.1	68.8	70.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 4500	28.5	61.1	68.8	70.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 4000	28.5	61.1	68.8	70.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 3500	28.5	61.1	68.8	70.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 3000	28.9	61.4	69.1	70.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 2500	28.9	61.4	69.1	70.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 2000	28.9	61.4	69.1	70.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 1800	28.9	61.4	69.1	70.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 1500	29.2	63.4	71.5	73.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 1200	29.2	64.1	72.2	73.8	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 1000	29.2	65.1	74.2	76.9	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 900	29.5	65.8	75.5	78.2	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 800	29.9	67.5	78.2	81.5	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 700	29.9	67.8	81.2	84.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 600	29.9	68.1	81.2	84.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 500	29.9	68.1	81.2	84.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 400	29.9	68.1	81.2	84.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 300	29.9	68.1	81.2	84.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 200	29.9	68.1	81.2	84.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 100	29.9	68.1	81.2	84.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 0	29.9	68.1	81.2	84.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3

TOTAL NUMBER OF OBSERVATIONS

298

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGU, CALIFORNIA

STATION NAME

73-82

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L E T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	21.0	47.4	55.5	58.0	59.4	60.0	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 20000	21.5	48.1	56.6	59.1	60.5	61.1	61.3	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 18000	21.8	48.4	56.9	59.4	60.8	61.4	61.6	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 16000	21.8	48.5	57.0	59.5	61.2	61.8	62.0	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.3	62.3
IV 14000	21.9	48.7	57.2	59.7	61.4	61.9	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.4
IV 12000	21.9	48.7	57.2	59.7	61.4	62.0	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.5	62.5
IV 10000	22.1	48.9	57.4	60.0	61.7	62.2	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.7	62.7
IV 9000	22.1	48.9	57.4	60.0	61.7	62.2	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.7	62.7
IV 8000	22.1	48.9	57.5	60.0	61.7	62.3	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.8	62.8	62.8
IV 7000	22.1	48.9	57.5	60.0	61.7	62.3	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.8	62.8	62.8
IV 6000	22.1	48.9	57.5	60.0	61.7	62.3	62.6	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.9	62.9
IV 5000	22.1	48.9	57.5	60.0	61.7	62.3	62.6	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.9	62.9
IV 4500	22.2	49.0	57.5	60.1	61.8	62.3	62.7	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9
IV 4000	22.2	49.0	57.5	60.1	61.8	62.3	62.7	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 3500	22.3	49.1	57.6	60.2	61.9	62.4	62.8	62.9	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0
IV 3000	22.6	49.6	58.2	60.8	62.5	63.1	63.4	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 2500	22.9	50.2	58.9	61.6	63.4	63.9	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.5
IV 2000	23.0	51.3	60.6	63.5	65.4	66.0	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.6	66.6	66.6
IV 1800	23.1	51.6	61.0	64.1	66.0	66.6	67.0	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 1500	23.2	52.9	63.7	66.7	69.7	69.9	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.7	70.7	70.7
IV 1200	23.3	53.4	64.2	68.3	71.3	72.1	72.7	72.8	72.8	72.9	72.9	72.9	72.9	72.9	73.0	73.0
IV 1000	23.4	54.5	66.6	71.8	75.3	76.7	77.6	77.8	77.8	77.9	78.0	78.0	78.0	78.0	78.0	78.0
IV 900	23.5	54.7	67.3	72.8	76.6	78.0	79.1	79.3	79.3	79.4	79.4	79.4	79.4	79.5	79.5	79.5
IV 800	23.5	55.4	68.7	74.7	79.4	81.2	82.6	83.1	83.1	83.2	83.2	83.2	83.2	83.3	83.3	83.3
IV 700	23.5	56.1	70.0	76.8	82.2	84.7	86.8	87.4	87.5	87.6	87.7	87.7	87.7	87.7	87.8	87.8
IV 600	23.5	56.4	70.6	77.8	83.6	86.6	89.2	89.9	89.9	90.2	90.3	90.3	90.3	90.3	90.4	90.4
IV 500	23.5	56.4	70.7	78.2	84.6	88.1	91.1	92.3	92.4	92.5	92.6	92.6	92.6	92.6	92.7	92.7
IV 400	23.5	56.4	70.9	78.5	85.3	89.2	92.5	93.9	94.0	94.5	94.6	94.6	94.6	94.6	94.7	94.7
IV 300	23.5	56.4	70.9	78.5	85.4	89.5	93.6	95.2	95.3	96.4	96.6	96.6	96.6	96.7	96.7	96.8
IV 200	23.5	56.4	70.9	78.6	85.6	89.8	94.1	96.0	96.2	97.4	97.8	97.8	97.8	97.9	98.1	98.1
IV 100	23.5	56.4	70.9	78.6	85.6	89.8	94.3	96.2	96.4	97.8	98.3	98.4	98.4	98.7	98.7	99.0
IV 0	23.5	56.4	70.9	78.6	85.6	89.8	94.3	96.2	96.4	97.9	98.4	98.5	98.5	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

2390

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUES, CALIFORNIA

STATION NAME

73-82

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	11.3	40.0	53.6	58.4	61.3	60.3	61.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 20000	11.3	41.1	53.9	58.4	61.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 18000	11.3	41.1	53.9	58.4	61.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 16000	11.3	41.1	53.9	58.4	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 14000	11.3	41.1	53.9	58.4	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 12000	11.3	40.1	54.8	59.4	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 10000	11.3	40.1	54.8	59.4	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 9000	11.3	40.1	54.8	59.4	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 8000	11.3	40.1	54.8	59.4	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 7000	11.3	40.1	54.8	59.4	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 6000	11.3	40.1	54.8	59.4	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 5000	11.3	40.1	54.8	59.4	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 4500	11.3	40.1	54.8	59.4	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 4000	11.3	40.1	54.8	59.4	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 3500	11.3	40.1	54.8	59.4	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 3000	11.3	40.1	54.8	59.4	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 2500	11.3	40.1	54.8	59.4	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 2000	11.3	40.7	55.5	60.0	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 1800	11.3	40.7	55.5	60.0	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 1600	11.3	40.7	55.5	60.0	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 1400	11.3	40.7	55.5	60.0	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 1200	11.3	40.7	55.5	60.0	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 1000	11.3	40.7	55.5	60.0	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 900	11.3	40.7	55.5	60.0	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 800	11.3	40.7	55.5	60.0	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 700	11.3	40.7	55.5	60.0	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 600	11.3	40.7	55.5	60.0	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 500	11.3	40.7	55.5	60.0	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 400	11.3	40.7	55.5	60.0	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 300	11.3	40.7	55.5	60.0	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 200	11.3	40.7	55.5	60.0	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 100	11.3	40.7	55.5	60.0	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 0	11.3	40.7	55.5	60.0	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT HUGO, CALIFORNIA

STATION NAME

13-12

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	5.5	29.4	37.1	42.3	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.9
IV 20000	6.4	29.7	37.4	42.6	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	47.1
IV 18000	6.4	29.7	37.4	42.6	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	47.1
IV 16000	6.4	29.7	37.4	42.6	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	47.1
IV 14000	6.4	30.0	37.7	42.9	46.8	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.4
IV 12000	6.4	30.7	38.4	43.6	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	48.1
IV 10000	6.4	31.0	38.7	44.2	48.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.7
IV 9000	6.4	31.0	38.7	44.2	48.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.7
IV 8000	6.4	31.0	38.7	44.2	48.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.7
IV 7000	6.4	31.0	38.7	44.2	48.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.7
IV 6000	6.4	31.0	38.7	44.2	48.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.7
IV 5000	6.4	31.0	38.7	44.2	48.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.7
IV 4500	6.4	31.0	38.7	44.2	48.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.7
IV 4000	6.4	31.0	38.7	44.2	48.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.7
IV 3500	6.4	31.0	38.7	44.2	48.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.7
IV 3000	6.4	31.0	38.7	44.2	48.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.7
IV 2500	6.4	31.0	38.7	44.2	48.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.7
IV 2000	6.4	31.0	38.7	44.2	48.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.7
IV 1800	6.4	31.0	38.7	44.2	48.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.7
IV 1500	6.4	31.0	38.7	44.2	48.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.7
IV 1200	7.1	35.6	43.2	48.7	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.2
IV 1000	7.4	35.8	46.1	52.3	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.4
IV 900	7.4	35.8	46.8	52.9	58.4	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.7
IV 800	7.7	36.7	49.7	57.1	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.5
IV 700	7.7	39.4	51.6	57.4	68.1	69.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.7
IV 600	8.1	39.7	52.6	60.3	70.3	71.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.9
IV 500	8.4	40.0	54.2	62.3	73.9	74.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	78.1
IV 400	8.4	40.0	54.5	63.6	76.5	77.4	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.9
IV 300	8.4	40.0	54.5	63.6	77.4	78.7	85.5	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	87.1
IV 200	8.4	40.0	54.8	63.7	77.7	79.0	87.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	91.6
IV 100	8.4	40.0	55.2	64.2	78.1	79.7	88.1	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	96.5
IV 0	8.4	40.0	55.2	64.2	78.1	79.7	88.1	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	100.0

TOTAL NUMBER OF OBSERVATIONS

312

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

STATION NAME

73-82

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.2	15.1	26.9	32.4	35.6	37.2	37.5	37.5	37.5	34.5	38.4	39.6	38.8	38.3	38.8	38.8
≥ 20000	4.2	15.4	27.2	32.7	35.9	37.5	37.9	37.9	37.9	38.8	39.2	39.2	39.2	39.2	39.2	39.2
IV 18000	4.2	15.4	27.2	32.7	35.9	37.5	37.9	37.9	37.9	38.8	39.2	39.2	39.2	39.2	39.2	39.2
IV 16000	4.2	15.4	27.2	32.7	35.9	37.5	37.9	37.9	37.9	38.8	39.2	39.2	39.2	39.2	39.2	39.2
IV 14000	4.2	15.1	26.5	34.0	37.2	38.8	39.2	39.2	39.2	40.1	40.5	40.5	40.5	40.5	40.5	40.5
IV 12000	4.2	15.1	26.5	34.0	37.2	38.8	39.2	39.2	39.2	40.1	40.5	40.5	40.5	40.5	40.5	40.5
IV 10000	4.2	15.1	26.5	34.0	37.2	38.8	39.2	39.2	39.2	40.1	40.5	40.5	40.5	40.5	40.5	40.5
IV 9000	4.2	15.1	26.5	34.0	37.2	38.8	39.2	39.2	39.2	40.1	40.5	40.5	40.5	40.5	40.5	40.5
IV 8000	4.2	15.4	26.8	34.3	37.5	39.2	39.5	39.5	39.5	40.5	40.8	40.8	40.8	40.8	40.8	40.8
IV 7000	4.2	15.4	26.8	34.3	37.5	39.2	39.5	39.5	39.5	40.5	40.8	40.8	40.8	40.8	40.8	40.8
IV 6000	4.2	15.4	26.8	34.3	37.5	39.5	39.8	39.8	39.8	40.8	41.1	41.1	41.1	41.1	41.1	41.1
IV 5000	4.2	15.4	26.8	34.3	37.5	39.5	39.8	39.8	39.8	40.8	41.1	41.1	41.1	41.1	41.1	41.1
IV 4500	4.2	15.4	26.8	34.3	37.5	39.5	39.8	39.8	39.8	40.8	41.1	41.1	41.1	41.1	41.1	41.1
IV 4000	4.2	15.4	26.8	34.3	37.5	39.5	39.8	39.8	39.8	40.8	41.1	41.1	41.1	41.1	41.1	41.1
IV 3500	4.2	15.4	26.8	34.3	37.5	39.5	39.8	39.8	39.8	40.8	41.1	41.1	41.1	41.1	41.1	41.1
IV 3000	4.2	15.4	26.8	34.3	37.5	39.5	39.8	39.8	39.8	40.8	41.1	41.1	41.1	41.1	41.1	41.1
IV 2500	4.2	15.4	26.8	34.3	37.5	39.5	39.8	39.8	39.8	40.8	41.1	41.1	41.1	41.1	41.1	41.1
IV 2000	4.2	15.4	26.8	34.3	37.5	39.5	39.8	39.8	39.8	40.8	41.1	41.1	41.1	41.1	41.1	41.1
IV 1800	4.2	15.4	26.8	34.3	37.5	39.5	39.8	39.8	39.8	40.8	41.1	41.1	41.1	41.1	41.1	41.1
IV 1500	4.2	15.4	26.8	34.3	37.5	39.5	39.8	39.8	39.8	40.8	41.1	41.1	41.1	41.1	41.1	41.1
IV 1200	4.2	15.4	26.8	34.3	37.5	39.5	39.8	39.8	39.8	40.8	41.1	41.1	41.1	41.1	41.1	41.1
IV 1000	4.2	15.4	26.8	34.3	37.5	39.5	39.8	39.8	39.8	40.8	41.1	41.1	41.1	41.1	41.1	41.1
IV 900	4.2	15.4	26.8	34.3	37.5	39.5	39.8	39.8	39.8	40.8	41.1	41.1	41.1	41.1	41.1	41.1
IV 800	4.2	15.4	26.8	34.3	37.5	39.5	39.8	39.8	39.8	40.8	41.1	41.1	41.1	41.1	41.1	41.1
IV 700	4.2	15.4	26.8	34.3	37.5	39.5	39.8	39.8	39.8	40.8	41.1	41.1	41.1	41.1	41.1	41.1
IV 600	4.2	15.4	26.8	34.3	37.5	39.5	39.8	39.8	39.8	40.8	41.1	41.1	41.1	41.1	41.1	41.1
IV 500	4.2	15.4	26.8	34.3	37.5	39.5	39.8	39.8	39.8	40.8	41.1	41.1	41.1	41.1	41.1	41.1
IV 400	4.2	15.4	26.8	34.3	37.5	39.5	39.8	39.8	39.8	40.8	41.1	41.1	41.1	41.1	41.1	41.1
IV 300	4.2	15.4	26.8	34.3	37.5	39.5	39.8	39.8	39.8	40.8	41.1	41.1	41.1	41.1	41.1	41.1
IV 200	4.2	15.4	26.8	34.3	37.5	39.5	39.8	39.8	39.8	40.8	41.1	41.1	41.1	41.1	41.1	41.1
IV 100	4.2	15.4	26.8	34.3	37.5	39.5	39.8	39.8	39.8	40.8	41.1	41.1	41.1	41.1	41.1	41.1
IV 0	4.2	15.4	26.8	34.3	37.5	39.5	39.8	39.8	39.8	40.8	41.1	41.1	41.1	41.1	41.1	41.1

TOTAL NUMBER OF OBSERVATIONS

309

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUD, CALIFORNIA

73-62

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	7.1	27.2	35.2	44.3	49.5	51.5	52.8	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 20000	7.1	27.5	39.5	44.7	49.8	51.8	53.1	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 18000	7.1	27.5	39.5	44.7	49.8	51.8	53.1	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 16000	7.1	27.5	39.5	44.7	49.8	51.8	53.1	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 14000	7.1	27.5	39.5	45.0	50.5	52.4	53.7	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 12000	7.1	26.2	41.1	46.0	51.5	53.4	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 10000	7.1	26.2	41.1	46.3	51.8	53.7	55.0	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 9000	7.1	26.2	41.1	46.3	51.8	53.7	55.0	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 8000	7.4	26.5	40.5	46.6	52.1	54.1	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 7000	7.4	26.5	40.5	46.6	52.1	54.1	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 6000	7.4	26.5	41.5	46.6	52.1	54.1	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 5000	7.4	26.5	41.5	46.6	52.1	54.1	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 4500	7.4	26.5	41.5	46.6	52.1	54.1	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 4000	7.4	26.5	40.5	46.6	52.1	54.1	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 3500	7.4	26.5	40.5	46.6	52.1	54.1	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 3000	7.4	26.5	41.5	46.6	52.1	54.1	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 2500	7.4	29.1	41.4	47.6	53.1	55.0	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 2000	7.4	29.5	41.4	47.9	53.7	55.7	57.0	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 1800	7.4	29.5	42.1	48.5	54.4	56.3	57.6	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 1500	7.8	31.4	44.0	51.5	58.3	61.5	62.8	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 1200	7.8	32.7	44.3	53.1	60.8	65.4	67.0	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 1000	7.8	32.7	46.1	56.3	67.3	73.8	74.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 900	7.8	32.7	46.1	56.3	67.3	73.8	76.1	77.1	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 800	7.8	32.7	46.3	57.0	68.9	76.4	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 700	7.8	32.7	46.3	57.9	69.9	79.6	84.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 600	7.8	32.7	46.3	57.9	70.6	80.9	86.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 500	7.8	32.7	46.3	57.9	71.2	82.9	89.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 400	7.8	32.7	46.6	58.3	71.5	83.2	90.0	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 300	7.8	32.7	46.6	58.3	71.8	83.8	91.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	7.8	32.7	46.6	58.3	71.8	83.8	91.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 100	7.8	32.7	46.6	58.3	71.8	83.8	92.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 0	7.8	32.7	46.6	58.3	71.8	83.8	92.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS

309

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

STATION NAME

73-82

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

13

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	12.9	37.5	49.5	55.7	62.8	64.1	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 20000	12.9	39.2	51.5	57.6	64.7	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 18000	12.9	39.2	51.5	57.6	64.7	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 16000	12.9	39.2	51.5	57.6	64.7	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 14000	12.9	39.2	51.5	57.6	64.7	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 12000	12.9	39.5	52.1	58.3	65.4	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 10000	12.9	39.5	52.1	58.3	65.7	67.0	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 9000	12.9	39.5	52.1	58.3	65.7	67.0	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 8000	12.9	39.5	52.1	58.3	65.7	67.0	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 7000	12.9	39.5	52.1	58.3	65.7	67.0	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 6000	12.9	39.5	52.1	58.3	65.7	67.0	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 5000	12.9	39.5	52.1	58.3	65.7	67.0	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 4500	12.9	39.5	52.1	58.3	65.7	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 4000	12.9	39.5	52.1	58.3	65.7	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 3500	12.9	39.5	52.1	58.3	65.7	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 3000	12.9	39.5	52.1	58.3	65.7	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 2500	12.9	41.1	53.7	60.2	67.3	68.6	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 2000	12.9	41.1	53.7	60.2	67.3	68.6	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 1800	12.9	41.1	53.7	60.2	67.3	68.6	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 1500	12.9	41.1	53.7	60.2	67.3	68.6	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 1200	12.9	42.7	57.3	67.0	74.8	77.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 1000	12.9	43.4	58.3	68.6	78.6	82.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 900	12.9	43.4	58.3	68.6	78.6	82.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 800	12.9	44.0	59.6	71.5	81.9	86.4	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 700	13.6	44.3	60.5	73.8	84.5	90.0	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 600	13.6	44.3	60.5	73.8	84.5	90.0	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 500	13.6	44.3	60.5	73.8	84.5	90.0	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 400	13.6	44.3	60.5	73.8	84.5	90.0	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 300	13.6	44.3	60.5	73.8	84.5	90.0	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 200	13.6	44.3	60.5	73.8	84.5	90.0	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 100	13.6	44.3	60.5	73.8	84.5	90.0	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 0	13.6	44.3	60.5	73.8	84.5	90.0	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6

TOTAL NUMBER OF OBSERVATIONS

329

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION POINT MUGU, CALIFORNIA 13-22 JUL 1960
 MONTH JUL 1960
 HOURS (LST) 10

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.4	51.3	63.9	71.1	77.1	77.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 20000	17.4	51.3	64.5	71.6	77.7	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 18000	17.4	51.0	64.5	71.6	77.7	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 16000	17.4	51.0	64.5	71.6	77.7	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 14000	17.4	51.3	64.8	71.9	78.1	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 12000	17.4	51.4	64.8	71.9	78.1	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 10000	17.4	51.3	65.2	72.6	79.7	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 9000	17.4	51.3	65.2	72.6	79.7	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 8000	17.4	51.3	65.2	72.6	79.7	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 7000	17.4	51.3	65.2	72.6	79.7	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 6000	17.4	51.3	65.2	72.6	79.7	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 5000	17.4	51.3	65.2	72.6	79.7	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 4500	17.4	51.3	65.2	72.6	79.7	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 4000	17.4	51.3	65.2	72.6	79.7	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 3500	17.4	51.3	65.2	72.6	79.7	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 3000	17.4	51.3	65.2	72.6	79.7	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 2500	17.4	51.3	65.2	72.6	79.7	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 2000	17.4	51.6	65.5	73.2	79.4	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 1800	17.4	51.6	65.5	73.2	79.4	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 1500	17.4	51.6	66.5	74.8	81.3	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 1200	17.4	51.9	66.5	76.1	82.6	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 1000	17.4	51.6	67.7	78.7	85.3	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 900	17.4	52.6	67.7	78.7	85.3	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 800	17.4	53.2	68.7	81.0	87.4	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 700	17.4	53.6	69.4	81.0	88.4	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 600	17.4	53.6	69.7	81.9	90.0	93.6	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 500	17.4	53.6	69.7	82.3	91.1	94.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 400	17.4	53.6	71.0	82.6	91.6	96.1	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	17.4	53.6	71.0	82.6	91.9	96.5	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	17.4	53.6	71.0	82.6	92.3	96.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	17.4	53.6	71.0	82.6	92.3	96.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	17.4	53.6	71.0	82.6	92.3	96.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUEL, CALIFORNIA

73-82

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.4	57.1	68.1	73.5	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 20000	17.7	57.7	69.0	74.8	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 18000	17.7	57.7	69.0	74.8	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 16000	17.7	57.7	69.0	74.8	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 14000	17.7	58.4	69.7	75.5	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 12000	17.7	58.7	70.0	75.8	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 10000	17.7	58.7	70.0	76.1	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 9000	17.7	58.7	70.0	76.1	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 8000	17.7	59.1	70.3	76.5	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 7000	17.7	59.0	70.3	76.5	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 6000	17.7	59.0	70.3	76.5	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 5000	17.7	59.0	70.3	76.5	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 4500	17.7	59.3	70.3	76.5	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 4000	17.7	59.3	70.3	76.5	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 3500	17.7	59.3	70.3	76.5	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 3000	17.7	59.3	70.3	76.5	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 2500	17.7	59.3	70.3	76.5	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 2000	17.7	59.3	70.3	76.5	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 1800	17.7	59.3	70.3	76.5	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 1500	17.7	59.7	71.3	77.4	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 1200	17.7	60.0	71.6	78.7	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 1000	17.7	60.3	72.3	79.4	82.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 900	17.7	61.0	72.9	80.0	83.6	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 800	17.7	61.4	73.4	81.9	85.5	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 700	18.1	62.3	74.8	83.2	87.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 600	18.4	62.6	75.5	84.1	89.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 500	18.4	62.9	75.8	85.2	91.0	91.9	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 400	18.4	62.9	75.8	85.2	91.0	91.9	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 300	18.4	62.9	75.8	85.8	91.6	92.9	95.2	95.8	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 200	18.4	62.9	75.8	85.8	91.6	93.9	96.1	96.8	97.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0
IV 100	18.4	62.9	75.8	85.8	91.6	93.9	96.1	97.1	97.4	98.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	18.4	62.9	75.8	85.8	91.6	93.9	96.1	97.1	97.4	98.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

112

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUGG, CALIFORNIA

73-82

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)82
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	72.2	71.5	66.6	69.0	72.5	72.5	71.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 20000	72.5	62.1	67.0	70.9	73.8	73.8	73.8	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 18000	72.5	62.1	67.0	70.9	73.8	73.8	73.8	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 16000	72.5	62.1	67.0	70.9	73.8	73.8	73.8	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 14000	72.5	62.1	67.0	70.9	73.8	73.8	73.8	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 12000	72.5	62.1	67.0	70.9	73.8	73.8	73.8	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 10000	72.5	63.1	68.0	71.0	74.9	74.8	74.8	74.8	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 9000	72.5	63.1	68.0	71.0	74.9	74.8	74.8	74.8	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 8000	72.5	63.1	68.0	71.0	74.8	74.8	74.8	74.8	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 7000	72.5	63.1	68.0	71.0	74.8	74.8	74.8	74.8	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 6000	72.5	63.1	68.0	71.0	74.8	74.8	74.8	74.8	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 5000	72.5	63.1	68.0	71.0	74.8	74.8	74.8	74.8	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 4500	72.5	63.1	68.0	71.0	74.8	74.8	74.8	74.8	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 4000	72.5	63.1	68.0	71.0	74.8	74.8	74.8	74.8	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 3500	72.5	63.1	68.0	71.0	74.8	74.8	74.8	74.8	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 3000	72.5	63.1	68.0	71.0	74.8	74.8	74.8	74.8	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 2500	72.5	63.1	68.0	71.0	74.8	74.8	74.8	74.8	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 2000	72.5	63.1	68.0	72.5	75.4	75.4	75.4	75.4	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 1800	72.5	63.1	68.0	72.5	75.4	75.4	75.4	75.4	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 1500	72.5	64.4	69.0	73.0	76.4	76.4	76.4	76.4	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 1200	72.5	65.1	70.2	74.1	77.7	77.7	77.7	77.7	77.7	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 1000	72.5	65.7	71.5	75.4	78.3	78.3	78.3	78.3	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 900	72.5	66.0	72.2	75.1	79.3	79.3	79.3	79.3	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 800	72.5	66.7	73.1	76.0	81.9	81.9	81.9	81.9	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 700	72.5	67.0	75.1	81.2	84.5	84.5	84.5	84.5	84.5	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 600	72.5	66.2	76.7	83.0	87.1	87.1	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 500	72.5	66.6	77.2	84.5	88.7	88.7	88.7	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 400	72.5	66.9	77.4	84.8	88.7	89.3	89.3	89.3	89.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 300	72.5	66.9	77.7	85.1	90.0	90.9	93.2	93.5	93.5	93.9	94.2	94.2	94.2	94.2	94.2	94.2
≥ 200	72.5	66.9	77.7	85.4	91.3	91.3	93.5	93.9	93.9	95.5	95.8	95.8	96.1	96.4	96.4	96.4
≥ 100	72.5	66.9	77.7	85.4	91.6	91.6	93.9	94.2	94.2	96.4	97.1	97.1	98.1	98.4	98.4	98.7
≥ 0	72.5	66.9	77.7	85.4	91.6	93.9	94.5	94.5	97.1	97.7	97.7	99.4	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

309

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

STATION NAME

73-92

YEARS

JUL

MORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	11.0	41.1	50.5	55.7	60.7	60.7	61.1	61.2	61.2	61.3	61.4	61.4	61.4	61.4	61.4	61.4
≥ 20000	11.0	41.7	51.3	56.7	60.9	61.6	62.0	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3
IV 18000	11.0	41.7	51.3	56.7	60.9	61.6	62.1	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3
IV 16000	11.0	41.7	51.3	56.7	60.9	61.6	62.1	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3
IV 14000	11.0	42.0	51.6	57.0	61.3	62.0	62.4	62.5	62.5	62.6	62.7	62.7	62.7	62.7	62.7	62.7
IV 12000	11.0	42.4	52.1	57.0	61.8	62.6	62.9	63.0	63.0	63.2	63.3	63.2	63.2	63.2	63.3	63.4
IV 10000	11.0	42.5	52.2	57.9	62.2	62.9	63.3	63.3	63.3	63.5	63.5	63.5	63.5	63.5	63.6	63.6
IV 9000	11.0	42.5	52.2	57.9	62.2	62.9	63.3	63.3	63.3	63.5	63.5	63.5	63.5	63.5	63.6	63.6
IV 8000	11.0	42.6	52.3	58.0	62.3	63.0	63.4	63.5	63.5	63.6	63.7	63.7	63.7	63.7	63.7	63.7
IV 7000	11.0	42.6	52.3	58.0	62.3	63.0	63.4	63.5	63.5	63.6	63.7	63.7	63.7	63.7	63.7	63.7
IV 6000	11.0	42.6	52.3	58.0	62.3	63.1	63.4	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 5000	11.0	42.6	52.3	58.0	62.3	63.1	63.4	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 4500	11.0	42.6	52.3	58.0	62.3	63.1	63.4	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 4000	11.0	42.7	52.3	58.0	62.4	63.1	63.5	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 3500	11.0	42.7	52.3	58.0	62.4	63.1	63.5	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 3000	12.0	42.8	52.3	58.0	62.5	63.3	63.6	63.7	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 2500	12.0	42.9	52.7	58.4	62.7	63.5	63.8	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 2000	12.0	43.3	53.1	58.8	63.2	63.9	64.3	64.4	64.4	64.5	64.6	64.6	64.6	64.6	64.6	64.6
IV 1800	12.0	43.3	53.2	59.0	63.4	64.1	64.5	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 1500	12.1	44.4	54.5	60.9	65.5	66.6	67.0	67.1	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 1200	12.2	44.7	55.4	62.9	67.4	68.7	69.3	69.4	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6
IV 1000	12.4	45.9	57.0	64.7	70.7	72.5	73.4	73.6	73.6	73.8	73.9	73.9	73.9	73.9	73.9	73.9
IV 900	12.4	46.0	57.4	65.4	71.6	73.6	74.6	74.8	74.8	75.0	75.1	75.1	75.1	75.1	75.1	75.1
IV 800	12.4	46.9	58.6	67.7	74.6	77.1	78.4	78.7	78.7	78.9	79.0	79.0	79.0	79.0	79.0	79.0
IV 700	12.4	47.5	59.8	69.4	76.9	80.1	82.0	82.4	82.4	82.6	82.7	82.7	82.7	82.7	82.7	82.7
IV 600	12.7	47.7	60.5	70.5	78.9	82.7	85.3	85.8	85.8	86.0	86.1	86.1	86.2	86.2	86.2	86.2
IV 500	12.7	47.9	61.9	71.4	80.1	84.2	87.5	88.3	88.3	88.5	88.6	88.6	88.7	88.7	88.7	88.7
IV 400	12.7	47.9	61.9	71.5	81.1	85.4	89.2	90.4	90.4	90.9	91.0	91.0	91.0	91.0	91.0	91.0
IV 300	12.7	47.9	61.1	71.7	81.8	86.4	91.2	92.7	92.9	93.7	93.9	93.9	94.1	94.1	94.2	94.2
IV 200	12.7	47.9	61.2	71.9	82.1	86.8	91.8	93.7	93.7	95.2	95.7	95.8	96.2	96.4	96.5	96.5
IV 100	12.7	47.9	61.2	71.9	82.2	86.9	92.1	94.1	94.1	96.3	97.0	97.1	98.1	98.3	98.7	98.9
IV 0	12.7	47.9	61.2	71.9	82.2	86.9	92.1	94.1	94.2	96.4	97.1	97.2	98.4	98.8	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

2476

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUD, CALIFORNIA

STATION NAME

17-42

YEARS

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ ⅓	≥ ⅓	≥ 0
NO CEILING	5.5	30.7	44.2	47.4	51.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	5.5	30.7	44.2	47.4	51.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
18000	5.5	30.7	44.5	47.7	51.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
16000	5.5	30.7	44.5	47.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
14000	5.5	30.7	44.5	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
12000	5.5	30.7	45.2	51.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
10000	5.5	30.7	45.2	51.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
9000	5.5	30.7	45.2	51.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
8000	5.5	30.7	45.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
7000	5.5	30.7	45.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
6000	5.5	30.7	45.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
5000	5.5	30.7	45.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
4500	5.5	30.7	45.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
4000	5.5	30.7	45.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
3500	5.5	30.7	45.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
3000	5.5	30.7	45.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
2500	5.5	40.3	45.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
2000	5.5	40.3	45.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
1800	5.5	40.3	45.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
1600	5.5	40.3	45.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
1400	5.5	40.3	45.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
1200	5.5	40.3	45.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
1000	5.5	40.3	45.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
900	5.5	40.3	45.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
800	5.5	40.3	45.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
700	5.5	40.3	45.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
600	5.5	40.3	45.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
500	5.5	40.3	45.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
400	5.5	40.3	45.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
300	5.5	40.3	45.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
200	5.5	40.3	45.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
100	5.5	40.3	45.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
0	5.5	40.3	45.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT HUGG, CALIFORNIA

77-82

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	3.6	26.6	32.9	37.7	39.4	39.9	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	41.0	41.0
≥ 20000	3.6	27.1	33.6	38.4	40.7	40.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.6	41.6
18000	3.6	27.1	33.6	38.4	40.7	40.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.6	41.6
16000	3.6	27.1	33.6	38.4	40.7	40.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.6	41.6
14000	3.6	27.1	33.6	38.4	40.7	40.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.6	41.6
12000	3.6	27.1	33.6	38.4	40.7	40.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.6	41.6
10000	3.6	27.1	33.6	38.4	40.7	40.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.6	41.6
9000	3.6	27.1	33.6	38.4	40.7	40.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.6	41.6
8000	3.6	27.1	33.6	38.4	40.7	40.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.6	41.6
7000	3.6	27.1	33.6	38.4	40.7	40.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.6	41.6
6000	3.6	27.1	33.6	38.4	40.7	40.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.6	41.6
5000	3.6	27.1	33.6	38.4	40.7	40.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.6	41.6
4500	3.6	27.1	33.6	38.4	40.7	40.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.6	41.6
4000	3.6	27.1	33.6	38.4	40.7	40.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.6	41.6
3500	3.6	27.1	33.6	38.4	40.7	40.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.6	41.6
3000	3.6	27.1	33.6	38.4	40.7	40.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.6	41.6
2500	3.6	27.1	33.6	38.4	40.7	40.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.6	41.6
2000	3.6	27.1	33.6	38.4	40.7	40.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.6	41.6
1800	4.2	28.7	36.8	41.0	43.9	43.9	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.8	45.8
1500	4.2	28.7	36.8	41.0	43.9	43.9	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.8	45.8
1200	4.2	28.7	36.8	41.0	43.9	43.9	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.8	45.8
1000	4.2	28.7	36.8	41.0	43.9	43.9	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.8	45.8
900	4.2	28.7	36.8	41.0	43.9	43.9	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.8	45.8
800	4.2	28.7	36.8	41.0	43.9	43.9	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.8	45.8
700	4.2	28.7	36.8	41.0	43.9	43.9	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.8	45.8
600	4.2	28.7	36.8	41.0	43.9	43.9	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.8	45.8
500	4.5	33.2	48.4	61.3	75.8	79.4	87.7	90.0	90.3	93.2	95.2	95.5	95.8	96.1	96.8	97.1
400	4.5	33.2	48.4	61.3	75.8	79.4	87.7	90.0	90.3	93.2	95.2	95.5	95.8	96.1	96.8	97.1
300	4.5	33.2	48.4	61.3	75.8	79.4	87.7	90.0	90.3	93.2	95.2	95.5	95.8	96.1	96.8	97.1
200	4.5	33.2	48.4	61.3	75.8	79.4	87.7	90.0	90.3	93.2	95.2	95.5	95.8	96.1	96.8	97.1
100	4.5	33.2	48.4	61.3	75.8	79.4	87.7	90.0	90.3	93.2	95.2	95.5	95.8	96.1	96.8	97.1
0	4.5	33.2	48.4	61.3	75.8	79.4	87.7	90.0	90.3	93.2	95.2	95.5	95.8	96.1	96.8	97.1

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

STATION NAME

73-92

YEARS

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)7
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	5.5	17.2	23.4	27.3	30.5	31.2	32.1	32.1	32.5	32.8	32.8	32.8	32.8	32.8	32.8	33.4
≥ 20000	5.5	17.2	23.4	27.3	30.5	31.2	32.1	32.5	32.8	33.1	33.1	33.1	33.1	33.1	33.1	33.8
IV 18000	5.5	17.2	23.4	27.3	30.5	31.2	32.1	32.5	32.8	33.1	33.1	33.1	33.1	33.1	33.1	33.8
IV 16000	5.5	17.2	23.4	27.3	30.5	31.2	32.1	32.5	32.8	33.1	33.1	33.1	33.1	33.1	33.1	33.8
IV 14000	5.5	17.9	24.0	27.9	31.2	31.8	32.8	33.1	33.4	33.8	33.8	33.8	33.8	33.8	33.8	34.4
IV 12000	5.5	17.9	24.0	27.9	31.2	31.8	32.8	33.1	33.4	33.8	33.8	33.8	33.8	33.8	33.8	34.4
IV 10000	5.5	18.5	24.7	28.6	31.8	32.5	33.4	33.8	34.1	34.4	34.4	34.4	34.4	34.4	34.4	35.1
IV 9000	5.5	18.8	25.0	28.9	32.1	32.8	33.8	34.1	34.4	34.7	34.7	34.7	34.7	34.7	34.7	35.4
IV 8000	5.5	18.8	25.0	28.9	32.1	32.8	33.8	34.1	34.4	34.7	34.7	34.7	34.7	34.7	34.7	35.4
IV 7000	5.5	18.8	25.0	28.9	32.1	32.8	33.8	34.1	34.4	34.7	34.7	34.7	34.7	34.7	34.7	35.4
IV 6000	5.5	18.8	25.0	28.9	32.1	32.8	33.8	34.1	34.4	34.7	34.7	34.7	34.7	34.7	34.7	35.4
IV 5000	5.5	18.8	25.0	28.9	32.1	32.8	33.8	34.1	34.4	34.7	34.7	34.7	34.7	34.7	34.7	35.4
IV 4500	5.5	18.8	25.0	28.9	32.1	32.8	33.8	34.1	34.4	34.7	34.7	34.7	34.7	34.7	34.7	35.4
IV 4000	5.5	18.8	25.0	28.9	32.1	32.8	33.8	34.1	34.4	34.7	34.7	34.7	34.7	34.7	34.7	35.4
IV 3500	5.5	18.8	25.0	28.9	32.1	32.8	33.8	34.1	34.4	34.7	34.7	34.7	34.7	34.7	34.7	35.4
IV 3000	5.5	19.2	25.7	29.6	32.8	33.4	34.4	34.7	35.1	35.4	35.4	35.4	35.4	35.4	35.4	36.0
IV 2500	6.2	19.4	26.1	29.9	33.4	34.1	35.1	35.4	35.7	36.0	36.0	36.0	36.0	36.0	36.0	36.7
IV 2000	6.2	19.5	27.0	31.8	35.7	36.7	37.7	38.0	38.3	38.6	38.6	38.6	38.6	38.6	38.6	39.3
IV 1800	6.2	1.0	27.3	32.1	36.0	37.0	38.0	38.3	38.6	39.0	39.0	39.0	39.0	39.0	39.0	39.6
IV 1500	7.1	21.1	28.9	34.1	39.3	40.3	41.2	41.9	42.2	42.5	42.5	42.5	42.5	42.5	42.5	43.2
IV 1200	7.1	21.4	29.6	35.1	40.6	41.9	42.9	43.8	44.2	44.5	44.5	44.5	44.5	44.5	44.5	45.1
IV 1000	7.1	21.8	31.5	37.3	44.5	45.8	47.4	49.4	49.7	50.3	50.3	50.3	50.3	50.3	50.3	51.0
IV 900	7.1	22.1	31.2	37.7	45.1	47.4	49.7	52.0	52.3	53.3	53.3	53.3	53.3	53.3	53.3	53.9
IV 800	7.1	22.4	31.5	38.6	48.7	51.6	54.9	57.5	57.8	58.8	58.8	58.8	58.8	58.8	58.8	59.4
IV 700	7.1	22.7	32.8	40.6	52.3	55.2	59.7	63.6	64.9	64.9	65.6	65.6	65.6	65.6	65.6	66.2
IV 600	7.1	23.1	33.4	41.9	53.9	57.8	64.3	68.8	69.2	70.5	71.1	71.1	71.1	71.1	71.1	72.1
IV 500	7.1	23.1	33.4	42.5	54.6	59.1	66.9	72.4	72.7	75.3	76.0	76.0	76.6	76.6	76.6	77.3
IV 400	7.1	23.1	33.4	42.9	54.9	59.7	70.1	77.3	77.3	80.8	81.8	81.8	82.5	82.5	82.5	83.1
IV 300	7.1	23.1	33.4	42.9	55.2	60.7	71.8	79.6	79.9	85.1	86.7	86.7	87.3	87.3	87.7	88.6
IV 200	7.1	23.1	33.4	42.9	55.2	61.0	72.1	80.2	80.5	87.3	89.9	89.9	91.9	92.2	92.5	93.8
IV 100	7.1	23.1	33.4	42.9	55.2	61.0	72.1	80.2	80.5	87.3	90.9	90.9	95.1	95.1	96.4	98.7
IV 0	7.1	23.1	33.4	42.9	55.2	61.0	72.1	80.2	80.5	87.3	90.9	90.9	95.1	95.1	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS

308

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGU, CALIFORNIA

STATION NAME

73-82

YEARS

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.7	27.4	41.0	46.1	53.6	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.8	55.8	55.8	55.2
≥ 20000	4.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 18000	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 16000	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 14000	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 12000	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 10000	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 9000	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 8000	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 7000	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 6000	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 5000	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 4500	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 4000	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 3500	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 3000	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 2500	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 2000	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 1800	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 1500	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 1200	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 1000	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 900	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 800	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 700	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 600	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 500	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 400	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 300	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 200	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 100	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1
IV 0	8.7	26.4	41.0	47.4	54.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	57.1	57.1	57.1	57.1

TOTAL NUMBER OF OBSERVATIONS

110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
11

POINT HUGO, CALIFORNIA

STATION NAME

13-82

YEARS

AUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)13
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	12.9	43.7	56.3	63.1	68.6	69.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 20000	12.9	44.3	57.0	63.8	69.3	70.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 18000	13.3	44.3	57.3	64.1	69.6	70.6	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 16000	13.3	44.3	57.3	64.1	69.6	70.6	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 14000	13.3	44.3	57.3	64.1	69.6	70.6	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 12000	13.3	44.7	57.9	64.7	70.2	71.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 10000	13.3	45.1	58.3	65.4	70.9	71.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 9000	13.3	45.0	58.3	65.4	70.9	71.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 8000	13.3	45.3	58.6	65.7	71.2	72.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 7000	13.3	45.3	58.6	65.7	71.2	72.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 6000	13.3	45.3	58.6	65.7	71.2	72.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 5000	13.3	45.3	58.6	65.7	71.2	72.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4500	13.3	45.3	58.6	65.7	71.2	72.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4000	13.3	45.3	58.6	65.7	71.2	72.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 3500	13.3	45.3	58.6	65.7	71.2	72.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 3000	13.3	45.3	58.6	65.7	71.2	72.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 2500	13.3	45.3	58.6	65.7	71.2	72.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 2000	13.3	45.3	58.6	65.7	71.2	72.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 1800	13.3	45.3	58.6	65.7	71.2	72.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 1500	13.3	45.3	58.6	65.7	71.2	72.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 1200	13.3	45.3	58.6	65.7	71.2	72.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 1000	13.3	45.3	58.6	65.7	71.2	72.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 900	13.3	45.3	58.6	65.7	71.2	72.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 800	13.3	45.3	58.6	65.7	71.2	72.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 700	13.3	45.3	58.6	65.7	71.2	72.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 600	13.3	45.3	58.6	65.7	71.2	72.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 500	13.3	45.3	58.6	65.7	71.2	72.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 400	13.3	45.3	58.6	65.7	71.2	72.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 300	13.3	45.3	58.6	65.7	71.2	72.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 200	13.3	45.3	58.6	65.7	71.2	72.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 100	13.3	45.3	58.6	65.7	71.2	72.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 0	13.3	45.3	58.6	65.7	71.2	72.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1

TOTAL NUMBER OF OBSERVATIONS

309

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

73-82

YEARS

100

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)15
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	¾	≥ 0
NO CEILING	13.6	51.8	63.8	68.6	74.1	74.4	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 20000	14.2	53.7	66.1	71.9	76.4	76.7	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 18000	14.2	54.1	66.3	71.2	76.7	77.3	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 16000	14.2	54.1	66.3	71.2	76.7	77.0	77.7	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 14000	14.2	54.1	66.3	71.2	76.7	77.0	77.7	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 12000	14.2	54.1	66.3	71.2	76.7	77.0	77.7	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 10000	14.2	54.4	66.7	71.5	77.4	77.4	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 9000	14.2	54.4	66.7	71.5	77.4	77.4	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 8000	14.2	54.4	66.7	71.5	77.4	77.7	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 7000	14.2	54.7	67.0	72.2	77.7	78.0	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 6000	14.2	54.7	67.0	72.2	77.7	78.0	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 5000	14.2	55.1	67.3	72.5	78.1	78.3	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 4500	14.2	55.3	67.3	72.5	78.3	78.3	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 4000	14.2	55.3	67.3	72.5	78.3	78.3	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 3500	14.2	55.3	67.3	72.5	78.3	78.3	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 3000	14.2	55.3	67.3	72.5	78.3	78.3	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 2500	14.2	55.3	67.3	72.5	78.3	78.3	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 2000	14.2	55.3	67.3	72.5	78.3	78.6	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 1800	15.2	55.7	68.0	73.1	78.6	79.0	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 1500	15.2	56.6	69.3	74.8	80.6	80.9	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 1200	15.5	57.6	70.7	77.3	82.9	83.2	83.8	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 1000	15.5	58.6	72.5	79.6	85.8	86.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 900	15.5	58.6	72.5	79.6	86.1	87.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 800	15.5	58.6	73.8	82.2	88.7	90.0	90.9	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 700	15.5	58.6	74.1	82.9	89.6	90.9	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 600	15.5	58.6	74.1	83.2	90.0	92.2	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 500	15.5	58.6	74.4	83.5	91.6	94.8	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 400	15.5	58.6	74.4	83.5	91.6	95.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	15.5	58.6	74.4	83.5	91.6	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	15.5	58.6	74.4	83.5	91.6	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	15.5	58.6	74.4	83.5	91.6	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	15.5	58.6	74.4	83.5	91.6	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

309

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUGG, CALIFORNIA

77-82

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	14.2	4.2	61.2	65.4	67.7	67.6	68.6	68.6	69.9	64.9	65.9	68.9	68.9	68.9	65.9	65.9
≥ 20000	14.6	51.1	63.1	67.3	68.9	69.9	70.9	70.9	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 18000	14.6	51.1	63.1	67.3	68.9	69.9	70.9	70.9	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 16000	14.6	51.1	63.1	67.3	68.9	69.9	70.9	70.9	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 14000	14.6	51.1	64.1	68.3	69.9	70.9	71.8	71.8	71.8	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 12000	14.6	51.1	64.1	68.3	69.9	70.9	71.8	71.8	71.8	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 10000	14.6	51.1	64.1	68.3	69.9	70.9	71.8	71.8	71.8	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 9000	14.6	51.1	64.1	68.3	69.9	70.9	71.8	71.8	71.8	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 8000	14.6	51.1	64.7	68.9	70.6	71.5	72.5	72.5	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 7000	14.6	51.1	65.1	69.3	70.9	71.8	72.8	72.8	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 6000	14.6	51.1	65.1	69.3	70.9	71.8	72.8	72.8	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 5000	14.6	51.1	65.1	69.3	70.9	71.8	72.8	72.8	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4500	14.6	51.1	65.1	69.3	70.9	71.8	72.8	72.8	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4000	14.6	51.1	65.1	69.3	70.9	71.8	72.8	72.8	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 3500	14.6	51.1	65.1	69.3	70.9	71.8	72.8	72.8	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 3000	14.6	51.1	65.1	69.3	70.9	71.8	72.8	72.8	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 2500	14.6	51.1	65.1	69.3	70.9	71.8	72.8	72.8	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 2000	15.2	52.1	65.4	69.6	71.2	72.2	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 1800	15.2	52.1	65.4	69.6	71.2	72.2	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 1500	15.2	52.1	65.3	69.6	71.2	72.2	73.1	74.1	74.1	74.1	74.4	74.4	74.4	74.4	74.4	74.4
≥ 1200	15.2	52.1	67.3	71.8	73.8	74.8	75.7	75.7	75.7	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 1000	15.5	54.7	69.6	75.1	77.7	78.0	79.0	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 900	15.5	54.7	69.6	75.4	77.4	78.3	79.3	79.3	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 800	15.9	56.0	72.8	79.0	81.2	82.5	83.5	83.5	83.5	83.8	84.1	84.1	84.1	84.1	84.1	84.1
≥ 700	15.9	56.0	73.5	81.9	84.1	85.4	86.4	86.4	86.4	86.7	87.1	87.1	87.1	87.1	87.1	87.1
≥ 600	15.9	56.3	73.8	82.5	86.7	89.3	90.3	90.3	90.3	90.9	91.3	91.3	91.3	91.3	91.3	91.3
≥ 500	15.9	56.6	74.8	83.4	88.7	91.9	93.9	94.2	94.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5
≥ 400	15.9	56.6	74.8	83.4	88.7	93.5	95.8	96.1	96.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7
≥ 300	15.9	56.6	74.8	83.4	89.7	93.9	96.1	97.1	97.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	15.9	56.6	74.8	83.4	89.7	93.9	96.1	97.1	97.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	15.9	56.6	74.8	83.4	89.7	93.9	96.1	97.1	97.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	15.9	56.6	74.8	83.4	89.7	93.9	96.1	97.1	97.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

306

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUD, CALIFORNIA

73-82

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)72
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	11.0	47.0	57.7	61.0	61.3	61.6	61.9	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 20000	11.0	47.0	58.1	61.0	61.6	61.9	62.3	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 18000	11.0	47.0	58.1	60.3	61.6	61.9	62.3	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 16000	11.0	47.0	58.1	60.3	61.6	61.9	62.3	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 14000	11.0	47.0	58.7	61.0	62.3	62.6	62.9	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 12000	11.0	47.0	58.7	61.0	62.3	62.9	63.2	63.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 10000	11.0	47.0	58.7	61.0	62.3	62.9	63.2	63.6	63.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9
IV 9000	11.0	47.0	58.7	61.0	62.3	62.9	63.2	63.6	63.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9
IV 8000	11.0	47.0	58.7	62.3	63.6	63.9	64.2	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 7000	11.0	47.0	58.7	62.6	63.9	64.2	64.5	64.5	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 6000	11.0	47.0	58.7	62.6	63.9	64.2	64.5	64.5	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 5000	11.0	47.0	58.7	62.6	63.9	64.2	64.5	64.5	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 4500	11.0	47.0	58.7	62.6	63.9	64.2	64.5	64.5	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 4000	11.0	47.0	58.7	62.6	63.9	64.2	64.5	64.5	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 3500	11.0	47.0	58.7	62.6	63.9	64.2	64.5	64.5	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 3000	11.0	47.0	58.7	62.6	63.9	64.5	64.8	64.8	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 2500	11.0	47.0	60.0	62.9	64.2	64.8	65.2	65.2	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 2000	11.0	47.0	60.0	62.9	64.2	64.8	65.2	65.2	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 1800	11.0	47.0	60.7	63.6	64.8	65.5	65.8	65.8	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 1500	11.0	47.0	61.0	63.9	65.2	65.8	66.1	66.1	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 1200	11.0	47.0	61.6	64.5	65.8	66.5	66.8	66.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 1000	11.0	47.0	63.2	63.6	67.4	68.7	69.4	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 900	11.0	47.0	63.6	64.8	69.7	70.7	71.3	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 800	11.0	47.0	66.5	68.7	74.2	76.5	77.1	77.4	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 700	11.0	47.0	71.6	76.1	81.3	81.9	82.3	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 600	11.0	47.0	71.9	81.0	85.5	86.1	86.8	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 500	11.0	47.0	74.8	82.9	88.1	89.0	89.7	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 400	11.0	47.0	75.2	83.9	89.7	91.3	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 300	11.0	47.0	75.2	84.2	90.7	92.3	94.2	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 200	11.0	47.0	75.2	84.2	91.0	92.6	95.5	96.1	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 100	11.0	47.0	75.2	84.2	91.0	92.9	95.8	96.5	96.5	97.7	98.1	98.1	98.1	98.1	98.1	98.1
IV 0	11.0	47.0	75.2	84.2	91.0	92.9	95.8	96.5	96.5	97.7	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUGS, CALIFORNIA

17-52

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	7.4	36.1	47.4	52.2	55.6	56.1	56.7	56.4	56.8	56.4	56.9	56.7	56.9	57.1	57.0	57.1
≥ 20000	0.5	36.7	48.3	53.1	56.4	57.3	57.7	57.7	57.8	57.9	57.9	57.9	57.9	58.0	58.0	58.1
≥ 18000	0.5	36.8	48.4	53.2	56.6	57.1	57.8	57.9	57.9	58.0	58.0	58.0	58.1	58.1	58.1	58.2
≥ 16000	0.5	36.8	48.4	53.2	56.6	57.1	57.8	57.9	57.9	58.0	58.0	58.0	58.1	58.1	58.1	58.2
≥ 14000	0.6	37.1	48.7	53.5	56.9	57.5	58.1	58.2	58.2	58.3	58.3	58.3	58.4	58.4	58.5	58.6
≥ 12000	0.6	37.2	48.9	53.7	57.1	57.6	58.3	58.3	58.4	58.5	58.5	58.5	58.6	58.6	58.7	58.8
≥ 10000	0.6	37.4	49.2	54.1	57.4	58.0	58.6	58.7	58.8	58.9	58.9	58.9	59.0	59.0	59.1	59.2
≥ 9000	0.6	37.4	49.3	54.1	57.5	58.1	58.7	58.8	58.9	58.9	58.9	58.9	59.0	59.0	59.1	59.2
≥ 8000	0.7	37.5	49.5	54.4	57.8	58.4	59.1	59.1	59.2	59.3	59.3	59.3	59.4	59.4	59.5	59.6
≥ 7000	0.7	37.6	49.5	54.6	57.9	58.5	59.2	59.2	59.3	59.4	59.4	59.4	59.5	59.5	59.6	59.7
≥ 6000	0.7	37.6	49.5	54.6	57.9	58.5	59.2	59.2	59.3	59.4	59.4	59.4	59.5	59.5	59.6	59.7
≥ 5000	0.7	37.6	49.6	54.6	58.0	58.6	59.2	59.3	59.3	59.4	59.4	59.4	59.5	59.5	59.6	59.7
≥ 4500	0.7	37.6	49.6	54.6	58.0	58.6	59.2	59.3	59.3	59.4	59.4	59.4	59.5	59.5	59.6	59.7
≥ 4000	0.7	37.6	49.6	54.6	58.0	58.6	59.2	59.3	59.3	59.4	59.4	59.4	59.5	59.5	59.6	59.7
≥ 3500	0.7	37.6	49.6	54.6	58.0	58.6	59.2	59.3	59.3	59.4	59.4	59.4	59.5	59.5	59.6	59.7
≥ 3000	0.7	37.6	49.6	54.6	58.0	58.6	59.2	59.3	59.3	59.4	59.4	59.4	59.5	59.5	59.6	59.7
≥ 2500	0.7	37.6	49.6	54.6	58.0	58.6	59.2	59.3	59.3	59.4	59.4	59.4	59.5	59.5	59.6	59.7
≥ 2000	0.9	40.2	50.7	55.1	58.5	59.2	59.9	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.3	60.4
≥ 1800	10.0	40.4	51.2	55.4	60.1	60.8	61.5	61.6	61.6	61.7	61.7	61.7	61.8	61.8	61.9	62.0
≥ 1500	10.1	41.2	52.4	57.7	62.1	62.9	63.6	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64.1	64.2
≥ 1200	10.2	41.3	53.2	59.2	63.6	64.6	65.3	65.6	65.6	65.7	65.7	65.7	65.8	65.8	65.9	66.0
≥ 1000	10.3	42.6	55.0	62.1	67.5	68.9	69.9	70.3	70.4	70.6	70.6	70.6	70.6	70.6	70.7	70.8
≥ 900	10.3	42.8	55.6	62.8	68.3	69.8	71.0	71.0	71.6	71.8	71.8	71.8	71.9	71.9	72.0	72.1
≥ 800	10.4	43.7	57.5	65.7	72.4	74.3	75.8	76.4	76.5	76.7	76.7	76.7	76.8	76.8	76.9	77.0
≥ 700	10.4	44.2	58.7	67.6	75.4	77.7	79.6	80.4	80.5	80.8	80.9	80.9	81.0	81.0	81.1	81.2
≥ 600	10.4	44.5	59.5	69.2	77.5	80.6	83.3	84.3	84.3	84.9	85.0	85.0	85.1	85.1	85.2	85.3
≥ 500	10.5	44.8	60.2	70.5	79.6	83.4	86.9	88.1	88.2	89.1	89.1	89.1	89.3	89.3	89.4	89.5
≥ 400	10.5	44.7	60.4	71.1	80.8	85.0	89.5	91.1	91.2	92.2	92.3	92.3	92.5	92.5	92.6	92.7
≥ 300	10.5	44.9	60.5	71.3	81.4	86.0	91.2	93.1	93.1	94.5	94.8	94.8	95.0	95.0	95.1	95.2
≥ 200	10.5	44.7	60.5	71.3	81.6	86.3	91.9	94.1	94.2	96.1	96.7	96.7	97.2	97.3	97.4	97.6
≥ 100	10.5	44.9	60.5	71.3	81.6	86.3	92.0	94.3	94.4	96.5	97.4	97.5	98.3	98.6	98.8	99.2
≥ 0	10.5	44.9	60.5	71.3	81.6	86.3	92.0	94.3	94.4	96.5	97.5	97.5	98.5	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS

2475

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

STATION NAME

73-82

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	10.0	38.3	46.7	51.7	52.3	52.3	53.3	57.3	53.3	53.3	53.3	53.3	53.3	53.3	57.3	53.3
≥ 20000	10.0	38.3	47.3	51.3	53.3	53.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
NV 18000	10.0	38.3	47.3	51.3	53.3	53.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
NV 16000	10.0	38.3	47.3	51.3	53.3	53.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
NV 14000	10.0	38.7	48.0	52.0	53.7	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
NV 12000	10.0	38.7	48.0	52.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
NV 10000	10.0	38.7	48.0	52.3	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
NV 9000	10.0	38.7	48.0	52.3	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
NV 8000	10.0	38.7	48.0	52.3	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
NV 7000	10.0	38.7	48.0	52.7	54.3	54.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
NV 6000	10.0	38.7	48.0	52.7	54.3	54.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
NV 5000	10.0	38.7	48.0	53.0	54.7	55.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
NV 4500	10.0	40.3	49.7	54.3	56.7	56.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
NV 4000	10.0	40.3	49.7	54.3	56.7	56.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
NV 3500	10.0	40.7	50.0	54.7	56.3	56.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
NV 3000	10.0	41.3	50.3	55.0	56.7	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
NV 2500	10.0	41.7	51.3	56.0	57.7	58.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
NV 2000	10.0	41.7	51.3	56.0	57.7	58.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
NV 1800	10.0	42.7	51.7	56.0	57.7	58.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
NV 1500	10.0	43.3	53.7	58.7	61.3	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
NV 1200	10.0	44.3	55.0	61.0	64.0	64.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
NV 1000	10.0	45.0	56.7	63.0	66.3	67.0	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
NV 900	10.0	45.3	57.3	64.7	68.0	68.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
NV 800	10.0	45.7	59.3	67.3	71.7	72.3	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
NV 700	10.0	47.0	60.7	70.0	75.3	77.0	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
NV 600	10.0	48.0	62.3	73.3	79.3	81.7	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
NV 500	10.0	48.0	62.3	73.7	81.7	84.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
NV 400	10.0	48.0	62.7	74.0	82.3	85.0	88.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
NV 300	10.0	48.0	63.0	74.3	83.3	86.3	92.3	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
NV 200	10.0	48.0	63.0	74.3	83.7	86.7	93.0	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0
NV 100	10.0	48.0	63.0	74.3	83.7	86.7	93.0	93.7	93.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0
NV 0	10.0	48.0	63.0	74.3	83.7	86.7	93.0	93.7	93.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUGO, CALIFORNIA

73-82

SEA

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	7.7	26.3	37.3	42.3	44.3	44.3	45.7	45.7	45.7	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 20000	7.7	26.3	37.3	42.3	44.3	44.7	46.3	46.3	46.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 18000	7.7	26.3	37.3	42.3	44.3	44.7	46.3	46.3	46.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 16000	7.7	26.3	37.3	42.3	44.3	44.7	46.3	46.3	46.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 14000	7.7	26.3	37.3	42.3	44.3	45.0	46.3	46.3	46.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 12000	7.7	26.3	37.3	42.3	44.3	45.3	46.7	46.7	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 10000	7.7	26.3	37.3	42.3	44.3	45.3	46.7	46.7	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 9000	7.7	26.3	37.3	42.3	44.3	45.3	46.7	46.7	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 8000	7.7	26.3	37.3	42.3	44.3	45.3	46.7	46.7	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 7000	7.7	26.3	37.3	42.3	44.3	45.3	47.0	47.0	47.0	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 6000	7.7	26.3	37.3	42.3	44.3	45.3	47.3	47.3	47.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 5000	7.7	26.3	37.3	42.3	44.3	46.3	47.7	47.7	47.7	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 4500	7.7	26.3	37.3	42.3	44.3	47.3	48.7	48.7	48.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 4000	7.7	26.3	37.3	42.3	44.3	47.3	49.0	49.0	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 3500	7.7	26.3	37.3	42.3	44.3	47.3	49.0	49.0	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 3000	7.7	26.3	37.3	42.3	44.3	47.3	49.0	49.0	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 2500	7.7	26.3	37.3	42.3	44.3	47.3	49.0	49.0	49.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 2000	7.7	26.3	37.3	42.3	44.3	47.3	49.0	49.0	49.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 1800	7.7	26.3	37.3	42.3	44.3	47.3	50.7	50.7	50.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 1500	7.7	26.3	37.3	42.3	44.3	47.3	51.0	51.0	51.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 1200	7.7	26.3	37.3	42.3	44.3	47.3	52.3	52.3	52.3	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 1000	7.7	26.3	37.3	42.3	44.3	47.3	53.7	53.7	53.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 900	7.7	26.3	37.3	42.3	44.3	47.3	54.7	54.7	54.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 800	7.7	26.3	37.3	42.3	44.3	47.3	55.3	55.3	55.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 700	7.7	26.3	37.3	42.3	44.3	47.3	56.3	56.3	56.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 600	7.7	26.3	37.3	42.3	44.3	47.3	57.3	57.3	57.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 500	7.7	26.3	37.3	42.3	44.3	47.3	58.3	58.3	58.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 400	7.7	26.3	37.3	42.3	44.3	47.3	59.3	59.3	59.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 300	7.7	26.3	37.3	42.3	44.3	47.3	60.3	60.3	60.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 200	7.7	26.3	37.3	42.3	44.3	47.3	61.3	61.3	61.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 100	7.7	26.3	37.3	42.3	44.3	47.3	62.3	62.3	62.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 0	7.7	26.3	37.3	42.3	44.3	47.3	63.7	63.7	63.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHIEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUGO, CALIFORNIA

73-82

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	9.7	21.4	24.8	3.4	33.4	34.8	36.1	36.5	36.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 20000	9.7	21.4	24.8	3.4	34.1	35.5	36.8	37.1	37.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
IV 18000	9.7	21.4	24.8	3.4	34.1	35.5	36.9	37.1	37.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
IV 16000	9.7	21.4	24.8	30.4	34.1	35.5	36.9	37.1	37.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
IV 14000	9.7	21.4	25.8	31.4	35.1	36.5	37.8	38.1	38.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
IV 12000	9.7	21.4	26.1	31.4	35.5	36.8	38.1	38.5	38.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6
IV 10000	9.7	22.7	27.1	33.4	37.1	38.5	39.6	40.1	40.1	41.5	41.5	41.5	41.5	41.5	41.5	41.5
IV 9000	9.7	22.7	27.1	33.4	37.1	38.5	39.8	40.1	40.1	41.5	41.5	41.5	41.5	41.5	41.5	41.5
IV 8000	9.7	23.1	27.4	33.4	37.5	38.8	40.1	40.5	40.5	41.8	41.8	41.8	41.8	41.8	41.8	41.8
IV 7000	9.7	23.1	27.4	33.4	37.5	39.1	40.5	40.8	40.8	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 6000	9.7	23.1	27.4	33.4	37.9	39.4	40.5	40.8	40.8	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 5000	9.7	23.1	27.8	34.1	38.1	39.5	40.8	41.1	41.1	42.5	42.5	42.5	42.5	42.5	42.5	42.5
IV 4500	9.7	23.5	28.4	34.4	39.1	40.5	41.8	42.1	42.1	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 4000	9.7	23.5	28.4	34.5	39.1	40.5	42.1	42.5	42.5	43.8	43.8	43.8	43.8	43.8	43.8	43.8
IV 3500	9.7	24.1	28.8	35.1	39.5	40.8	42.5	42.8	42.8	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 3000	9.7	24.1	28.8	35.5	39.8	41.1	42.8	43.1	43.1	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 2500	9.7	24.4	28.8	36.5	41.1	42.5	44.5	44.8	44.8	46.2	46.2	46.2	46.2	46.2	46.2	46.2
IV 2000	9.7	25.8	31.1	36.5	43.5	44.8	47.2	47.8	47.8	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 1800	9.7	26.1	31.8	37.5	44.8	46.2	48.5	49.2	49.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 1500	9.7	26.4	33.4	40.1	49.5	51.5	54.0	55.9	55.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 1200	9.7	26.8	34.1	44.5	51.5	54.2	57.5	58.5	58.5	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 1000	9.7	27.1	35.1	46.5	52.9	56.5	60.5	61.7	61.7	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 900	9.7	27.4	35.5	46.5	54.2	57.9	62.5	63.7	63.7	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 800	9.7	27.4	35.5	46.8	56.7	59.9	65.9	67.6	67.6	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 700	9.7	27.8	36.1	47.8	57.2	61.2	67.9	70.2	70.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 600	9.7	27.8	36.1	47.8	57.2	61.2	68.2	70.7	70.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 500	9.7	27.8	36.5	48.8	58.2	62.5	70.6	73.7	73.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 400	9.7	27.8	36.5	48.8	58.2	62.9	71.2	75.3	75.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 300	9.7	27.8	36.5	48.8	58.2	62.9	72.2	76.9	76.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 200	9.7	27.8	36.5	48.8	58.2	62.9	72.2	76.9	76.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 100	9.7	27.8	36.5	48.8	58.2	62.9	72.2	76.9	76.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 0	9.7	27.8	36.5	48.8	58.2	62.9	72.2	77.3	77.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3

TOTAL NUMBER OF OBSERVATIONS

1,199

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION POINT MUD, CALIFORNIA STATION NAME 77-02 YEARS SEP NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
≥ 20000	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 18000	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 16000	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 14000	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 12000	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 10000	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 9000	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 8000	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 7000	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 6000	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 5000	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 4500	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 4000	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 3500	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 3000	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 2500	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 2000	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 1800	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 1500	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 1200	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 1000	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 900	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 800	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 700	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 600	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 500	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 400	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 300	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 200	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 100	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2
IV 0	100.0	20.1	34.8	40.0	44.8	46.5	48.2	48.5	48.5	48.5	48.5	49.2	49.2	49.2	49.2

TOTAL NUMBER OF OBSERVATIONS 99

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUEZ, CALIFORNIA

73-82

SE 0

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	15.7	41.3	51.0	53.0	56.7	58.3	59.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 20000	15.7	42.0	52.0	55.0	58.7	60.3	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 18000	15.7	42.7	53.3	55.3	59.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 16000	15.7	42.7	53.3	55.3	59.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 14000	15.7	42.7	53.7	55.7	59.3	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 12000	15.7	43.0	54.7	57.0	60.7	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 10000	15.7	43.3	55.3	57.7	61.3	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 9000	15.7	43.3	55.3	58.0	61.7	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 8000	15.7	43.7	55.7	58.7	62.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 7000	15.7	44.0	56.3	59.3	63.0	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 6000	15.7	44.3	56.7	59.7	63.3	65.7	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 5000	15.7	44.3	56.7	59.7	63.3	65.7	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 4500	15.7	45.7	58.0	61.0	65.0	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 4000	15.7	46.0	58.3	61.3	65.3	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 3500	15.7	46.3	58.7	61.7	65.7	68.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 3000	15.7	46.3	59.0	62.0	66.0	68.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 2500	15.7	46.7	59.3	62.3	66.3	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 2000	15.7	47.7	60.3	64.0	68.3	70.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 1800	17.0	48.3	61.0	65.0	69.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 1500	17.0	48.7	63.0	68.3	74.7	77.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 1200	17.0	49.3	64.0	71.3	77.0	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 1000	17.0	49.7	65.0	73.0	79.7	83.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 900	17.0	49.7	66.0	74.3	81.0	85.3	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 800	17.0	50.0	67.0	75.7	82.3	87.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 700	17.0	50.0	67.0	76.7	83.7	89.7	92.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 600	17.0	50.0	67.0	77.3	84.3	90.3	93.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 500	17.0	50.0	67.0	77.3	84.3	90.7	94.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 400	17.0	50.0	67.0	77.3	84.3	91.3	95.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 300	17.0	50.0	67.0	77.3	84.3	91.7	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 200	17.0	50.0	67.0	77.3	84.3	91.7	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 100	17.0	50.0	67.0	77.3	84.3	91.7	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 0	17.0	50.0	67.0	77.3	84.3	91.7	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT HUGO, CALIFORNIA

STATION NAME

13-82

YEARS

SLP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	15.7	44.8	56.5	61.5	63.9	62.5	64.9	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 20000	15.4	46.2	57.2	61.9	63.6	64.2	66.6	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 18000	16.4	46.2	57.2	61.9	63.6	64.2	66.6	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 16000	15.4	46.2	58.2	62.2	63.9	64.6	66.9	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 14000	15.4	46.2	58.5	62.2	64.2	65.2	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 12000	16.7	47.2	58.9	62.9	64.6	65.6	67.9	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 10000	15.7	47.5	59.9	63.9	65.9	66.9	69.2	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 9000	15.7	47.5	59.9	63.9	65.9	66.9	69.2	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 8000	15.7	47.8	60.5	64.6	66.6	67.6	69.9	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 7000	17.1	48.2	60.7	65.2	67.2	68.2	70.6	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 6000	17.4	48.5	61.2	65.6	67.5	68.6	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 5000	17.7	48.8	61.5	66.2	68.2	69.2	71.6	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 4500	17.7	49.5	62.2	66.9	68.9	69.9	72.2	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 4000	17.7	49.5	62.2	66.9	68.9	69.9	72.2	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 3500	17.7	49.9	62.9	67.6	69.6	70.6	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 3000	18.1	50.5	63.6	68.2	70.2	71.2	73.6	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 2500	18.1	51.2	64.9	69.6	71.9	72.9	75.3	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 2000	18.4	51.5	66.4	71.6	73.9	74.9	77.3	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 1800	18.4	53.5	67.6	72.2	74.9	75.9	78.3	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 1500	18.1	54.5	69.2	73.9	76.6	77.6	79.9	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 1200	18.4	55.2	70.2	75.3	79.6	80.6	82.9	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 1000	18.4	56.2	71.6	76.6	81.7	83.3	87.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 900	18.4	56.2	71.9	79.3	84.6	86.3	88.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 800	18.4	56.5	72.2	81.3	85.6	87.3	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 700	18.4	56.9	72.6	80.9	86.6	88.3	93.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 600	18.4	57.2	72.9	81.3	87.3	91.3	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 500	18.4	57.2	72.9	81.6	87.6	92.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 400	18.4	57.2	72.9	81.6	87.6	92.3	95.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 300	18.4	57.2	72.9	81.9	88.9	92.6	95.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 200	18.4	57.2	72.9	81.9	88.0	93.0	96.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 100	18.4	57.2	72.9	81.9	88.7	93.0	96.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 0	18.4	57.2	72.9	81.9	89.7	93.0	96.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS

39

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUGO, CALIFORNIA

73-82

SLP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17

HOURE (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.7	40.3	56.7	59.3	61.7	62.3	62.3	62.3	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 20000	17.7	47.3	58.0	60.7	62.3	63.3	63.3	63.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 18000	17.7	47.3	58.0	60.7	62.3	63.3	63.3	63.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 16000	17.7	47.3	58.0	60.7	62.3	63.3	63.3	63.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 14000	17.7	47.3	58.0	60.7	62.3	63.3	63.3	63.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 12000	17.7	47.3	58.7	61.3	63.7	64.0	64.0	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 10000	17.7	40.3	59.7	61.7	63.3	64.3	64.3	64.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 9000	18.0	40.3	59.3	62.3	63.7	64.7	64.7	65.0	65.0	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 8000	18.0	40.3	59.7	62.3	64.0	65.0	65.0	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 7000	18.3	40.7	60.3	63.0	64.7	65.7	65.7	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 6000	18.3	40.7	61.3	63.0	64.7	65.7	65.7	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 5000	18.3	49.3	61.0	63.7	65.3	66.3	66.3	66.7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 4500	18.0	50.7	62.7	65.3	67.0	68.0	68.0	68.3	68.3	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4000	18.0	50.7	62.7	65.3	67.0	68.0	68.0	68.3	68.3	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 3500	18.0	51.3	63.3	66.0	67.7	68.7	68.7	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 3000	18.0	51.3	63.3	66.0	67.7	68.7	68.7	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 2500	18.0	51.7	63.7	66.3	68.3	69.3	69.3	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 2000	18.3	53.3	65.7	68.7	70.7	71.7	71.7	72.0	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 1800	18.3	54.3	66.7	69.7	71.7	72.7	72.7	73.0	73.0	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 1500	18.7	55.0	68.3	71.7	73.7	74.7	74.7	75.0	75.0	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 1200	18.7	55.7	69.3	72.7	74.7	76.0	76.0	76.3	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 1000	18.7	56.3	71.3	75.3	78.0	79.7	79.7	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 900	18.7	56.3	71.3	75.3	78.3	80.3	80.7	81.0	81.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 800	20.0	57.0	73.0	78.3	82.3	84.3	84.7	85.0	85.0	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 700	20.0	57.3	74.0	80.3	85.3	88.0	89.3	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 600	20.0	57.7	74.7	81.0	86.7	89.7	91.3	91.7	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 500	20.0	57.7	75.0	81.7	87.7	91.0	93.7	94.3	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 400	20.0	57.7	75.0	81.7	87.7	91.0	94.7	95.7	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 300	20.0	57.7	75.0	81.7	88.0	91.3	95.7	96.7	96.7	98.3	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	20.0	57.7	75.0	81.7	88.0	91.3	96.0	97.0	97.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	20.0	57.7	75.0	81.7	88.0	91.3	96.0	97.0	97.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	20.0	57.7	75.0	81.7	88.0	91.3	96.0	97.0	97.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

500

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT HUGO, CALIFORNIA

STATION NAME

73-82

YEARS

SLP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	14.3	48.3	56.7	58.7	60.7	60.7	60.3	60.3	60.3	60.7	61.0	61.0	61.0	61.0	61.7	61.7
≥ 20000	14.3	48.3	56.7	58.7	60.7	60.7	61.0	61.0	61.0	61.3	61.7	61.7	61.7	61.7	61.7	61.7
IV 18000	14.3	48.3	56.7	58.7	60.7	60.7	61.0	61.0	61.0	61.3	61.7	61.7	61.7	61.7	61.7	61.7
IV 16000	14.3	48.3	56.7	58.7	60.7	60.7	61.0	61.0	61.0	61.3	61.7	61.7	61.7	61.7	61.7	61.7
IV 14000	14.3	48.3	56.7	58.7	60.7	60.7	61.0	61.0	61.0	61.3	61.7	61.7	61.7	61.7	61.7	61.7
IV 12000	14.3	48.3	56.7	58.7	60.7	60.7	61.0	61.0	61.0	61.3	61.7	61.7	61.7	61.7	61.7	61.7
IV 10000	14.3	48.3	57.3	59.3	61.0	61.0	61.3	61.3	61.3	61.7	62.0	62.0	62.0	62.0	62.7	62.7
IV 9000	14.7	49.7	57.3	59.3	61.3	61.3	61.7	61.7	61.7	62.0	62.3	62.3	62.3	62.3	62.7	62.7
IV 8000	14.7	49.7	57.7	59.7	61.7	61.7	62.0	62.0	62.0	62.3	62.7	62.7	62.7	62.7	62.7	62.7
IV 7000	14.7	49.7	58.3	60.3	62.0	62.0	62.3	62.3	62.3	62.7	63.0	63.0	63.0	63.0	63.0	63.0
IV 6000	14.7	49.7	58.3	60.3	62.0	62.0	62.3	62.3	62.3	62.7	63.0	63.0	63.0	63.0	63.0	63.0
IV 5000	14.7	50.3	59.3	61.3	63.0	63.0	63.3	63.3	63.3	63.7	64.0	64.0	64.0	64.0	64.0	64.0
IV 4500	15.3	51.0	60.3	62.3	64.3	64.3	64.7	64.7	64.7	65.0	65.3	65.3	65.3	65.3	65.3	65.3
IV 4000	15.3	51.0	60.3	62.3	64.3	64.3	64.7	64.7	64.7	65.0	65.3	65.3	65.3	65.3	65.3	65.3
IV 3500	15.3	51.3	60.7	62.7	64.7	64.7	65.0	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7
IV 3000	15.3	51.7	61.0	63.0	65.0	65.0	65.3	65.3	65.3	65.7	66.0	66.0	66.0	66.0	66.0	66.0
IV 2500	15.7	52.7	62.0	64.0	66.0	66.0	66.3	66.3	66.3	66.7	67.0	67.0	67.0	67.0	67.0	67.0
IV 2000	15.7	54.0	63.3	65.3	67.3	67.3	67.7	67.7	67.7	68.0	68.3	68.3	68.3	68.3	68.3	68.3
IV 1800	15.7	54.0	63.3	65.3	67.3	67.3	67.7	67.7	67.7	68.0	68.3	68.3	68.3	68.3	68.3	68.3
IV 1500	16.7	55.3	65.3	67.3	69.3	69.3	69.7	69.7	69.7	70.0	70.3	70.3	70.3	70.3	70.3	70.3
IV 1200	16.7	55.7	66.7	68.0	70.3	70.3	70.7	70.7	70.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3
IV 1000	16.7	57.7	70.0	72.7	76.0	76.0	76.3	76.3	76.3	76.7	77.0	77.0	77.0	77.0	77.0	77.0
IV 900	16.7	58.3	71.3	74.7	78.0	78.0	78.3	78.7	78.7	79.0	79.3	79.3	79.3	79.3	79.3	79.3
IV 800	16.7	59.7	73.7	78.3	82.0	82.0	82.3	82.7	82.7	83.0	83.3	83.3	83.3	83.3	83.3	83.3
IV 700	17.3	60.7	76.3	82.0	87.0	87.3	87.7	88.0	88.0	88.3	88.7	88.7	88.7	88.7	88.7	88.7
IV 600	17.3	60.7	76.3	82.0	88.0	88.0	88.3	88.3	88.3	88.7	89.0	89.0	89.0	89.0	89.0	89.0
IV 500	17.3	60.7	77.3	83.3	90.7	90.7	92.0	92.3	92.3	92.7	93.0	93.0	93.0	93.0	93.0	93.0
IV 400	17.3	60.7	77.7	83.7	91.0	92.0	93.7	94.3	94.3	94.7	95.0	95.0	95.0	95.0	95.0	95.0
IV 300	17.3	60.7	77.7	83.7	91.0	92.0	94.7	95.7	95.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7
IV 200	17.3	60.7	77.7	83.7	91.0	92.0	95.0	96.7	96.7	97.0	97.7	98.0	98.0	98.0	98.0	98.0
IV 100	17.3	60.7	77.7	83.7	91.0	92.0	95.0	97.0	97.0	97.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 0	17.3	60.7	77.7	83.7	91.0	92.0	95.0	97.0	97.0	97.7	98.7	98.7	98.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUGO, CALIFORNIA

73-82

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	12.8	36.8	45.4	49.4	51.9	52.6	53.7	53.9	53.9	54.3	54.4	54.4	54.4	54.4	54.4
≥ 20000	12.7	37.4	46.2	50.2	52.7	53.5	54.6	54.8	54.8	55.2	55.3	55.3	55.3	55.3	55.3
≥ 18000	12.7	37.4	46.3	50.2	52.7	53.6	54.7	54.9	54.9	55.2	55.3	55.3	55.3	55.3	55.3
≥ 16000	12.7	37.5	46.3	50.2	52.8	53.6	54.7	54.9	54.9	55.3	55.4	55.4	55.4	55.4	55.4
≥ 14000	12.7	37.6	46.6	50.6	53.1	54.0	55.1	55.3	55.3	55.7	55.7	55.7	55.7	55.7	55.7
≥ 12000	12.8	37.8	47.3	51.0	53.6	54.4	55.5	55.7	55.7	56.2	56.2	56.2	56.2	56.2	56.2
≥ 10000	12.8	38.1	47.5	51.6	54.2	55.2	56.3	56.6	56.6	57.0	57.1	57.1	57.1	57.1	57.1
≥ 9000	12.9	38.2	47.6	51.7	54.4	55.3	56.5	56.7	56.7	57.1	57.2	57.2	57.2	57.2	57.2
≥ 8000	12.9	38.4	47.9	52.1	54.8	55.7	56.9	57.1	57.1	57.5	57.6	57.6	57.6	57.6	57.6
≥ 7000	13.0	38.5	48.1	52.6	55.3	56.2	57.4	57.6	57.6	58.0	58.1	58.1	58.1	58.1	58.1
≥ 6000	13.1	38.7	48.3	52.7	55.4	56.4	57.5	57.8	57.8	58.2	58.3	58.3	58.3	58.3	58.3
≥ 5000	13.2	38.9	48.7	53.2	55.9	56.9	58.0	58.3	58.3	58.7	58.8	58.8	58.8	58.8	58.8
≥ 4500	13.4	39.9	49.8	54.3	57.1	58.1	59.2	59.5	59.5	59.9	60.0	60.0	60.0	60.0	60.0
≥ 4000	13.5	40.0	49.9	54.4	57.2	58.2	59.4	59.6	59.6	60.0	60.1	60.1	60.1	60.1	60.1
≥ 3500	13.5	40.5	50.4	54.9	57.7	58.7	59.9	60.2	60.2	60.6	60.7	60.7	60.7	60.7	60.7
≥ 3000	13.6	40.7	50.7	55.2	58.0	59.0	60.2	60.5	60.5	60.9	61.0	61.0	61.0	61.0	61.0
≥ 2500	13.7	41.5	51.6	56.2	59.1	60.1	61.4	61.7	61.7	62.1	62.2	62.2	62.2	62.2	62.2
≥ 2000	13.9	42.6	52.9	57.7	60.8	62.0	63.3	63.6	63.6	64.0	64.1	64.1	64.1	64.1	64.1
≥ 1800	13.9	43.1	53.5	58.5	61.7	62.9	64.2	64.5	64.5	65.0	65.0	65.0	65.0	65.0	65.0
≥ 1500	14.0	44.0	55.6	61.4	65.1	66.5	68.1	68.5	68.5	68.9	69.0	69.0	69.0	69.0	69.0
≥ 1200	14.1	44.6	56.5	62.7	67.2	68.9	70.6	70.9	70.9	71.3	71.4	71.4	71.4	71.4	71.4
≥ 1000	14.2	45.4	58.6	65.8	71.1	73.2	75.1	75.6	75.6	76.1	76.2	76.2	76.2	76.2	76.2
≥ 900	14.2	45.6	59.2	66.8	72.2	74.5	76.5	77.1	77.1	77.6	77.7	77.7	77.7	77.7	77.7
≥ 800	14.3	46.2	60.5	68.6	74.8	77.4	79.6	80.5	80.5	81.0	81.1	81.1	81.1	81.1	81.1
≥ 700	14.4	46.6	61.3	70.2	77.1	80.5	83.2	84.2	84.2	84.9	85.0	85.0	85.0	85.0	85.0
≥ 600	14.4	46.9	61.7	70.9	78.2	82.1	85.1	86.4	86.4	87.2	87.3	87.3	87.3	87.3	87.3
≥ 500	14.4	46.9	62.0	71.6	79.3	83.4	87.1	88.8	88.8	90.1	90.3	90.3	90.3	90.3	90.3
≥ 400	14.4	46.9	62.1	71.7	79.6	84.0	88.4	90.5	90.6	92.2	92.5	92.5	92.5	92.5	92.5
≥ 300	14.4	46.9	62.2	71.8	79.9	84.5	89.8	92.3	92.4	94.4	94.9	95.0	95.1	95.1	95.1
≥ 200	14.4	46.9	62.2	71.8	80.0	84.7	90.1	92.8	92.9	95.2	96.6	96.1	96.4	96.4	96.5
≥ 100	14.4	46.9	62.2	71.8	80.0	84.7	90.1	92.9	93.1	95.8	96.6	96.7	97.6	98.0	98.8
≥ 0	14.4	46.9	62.2	71.8	80.0	84.7	90.1	92.9	93.1	95.8	96.6	96.7	97.8	98.2	99.0

TOTAL NUMBER OF OBSERVATIONS

2397

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

STATION NAME

73-P2

YEARS

2LT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	16.1	45.5	51.3	54.5	57.1	58.4	59.4	59.7	59.7	60.0	60.3	60.3	61.3	61.3	61.9	62.6
≥ 20000	16.1	47.1	52.7	55.1	58.7	60.0	61.0	61.3	61.3	61.6	61.9	61.9	62.9	62.9	63.6	64.2
≥ 18000	16.1	47.1	52.9	55.1	58.7	60.0	61.0	61.3	61.3	61.6	61.9	61.9	62.9	62.9	63.6	64.2
≥ 16000	16.1	47.1	52.9	55.1	58.7	60.0	61.0	61.3	61.3	61.6	61.9	61.9	62.9	62.9	63.6	64.2
≥ 14000	16.1	47.1	52.7	55.1	58.7	60.0	61.0	61.3	61.3	61.6	61.9	61.9	62.9	62.9	63.6	64.2
≥ 12000	16.1	45.4	54.2	57.4	60.0	61.3	62.3	62.6	62.6	62.9	63.2	63.2	64.2	64.2	64.8	65.5
≥ 10000	16.1	46.7	54.5	57.7	60.3	61.6	62.6	62.9	62.9	63.2	63.6	63.6	64.5	64.5	65.2	65.8
≥ 9000	16.1	46.7	54.5	57.7	60.3	61.6	62.6	62.9	62.9	63.2	63.6	63.6	64.5	64.5	65.2	65.8
≥ 8000	16.1	43.7	54.5	57.7	60.3	61.6	62.6	62.9	62.9	63.2	63.6	63.6	64.5	64.5	65.2	65.8
≥ 7000	16.1	43.7	54.5	57.7	60.3	61.6	62.6	62.9	62.9	63.2	63.6	63.6	64.5	64.5	65.2	65.8
≥ 6000	16.1	43.7	54.5	57.7	60.3	61.6	62.6	62.9	62.9	63.2	63.6	63.6	64.5	64.5	65.2	65.8
≥ 5000	16.5	43.7	54.5	57.7	60.3	61.6	62.6	62.9	62.9	63.2	63.6	63.6	64.5	64.5	65.2	65.8
≥ 4500	16.5	43.7	54.5	57.7	60.3	61.6	62.6	62.9	62.9	63.2	63.6	63.6	64.5	64.5	65.2	65.8
≥ 4000	16.5	43.7	54.5	57.7	60.3	61.6	62.6	62.9	62.9	63.2	63.6	63.6	64.5	64.5	65.2	65.8
≥ 3500	16.5	43.7	54.5	57.7	60.3	61.6	62.6	62.9	62.9	63.2	63.6	63.6	64.5	64.5	65.2	65.8
≥ 3000	16.5	43.7	54.5	57.7	60.3	61.6	62.6	62.9	62.9	63.2	63.6	63.6	64.5	64.5	65.2	65.8
≥ 2500	16.5	43.7	54.5	57.7	60.3	61.6	62.6	62.9	62.9	63.2	63.6	63.6	64.5	64.5	65.2	65.8
≥ 2000	16.5	43.7	54.5	57.7	60.3	61.6	62.6	62.9	62.9	63.2	63.6	63.6	64.5	64.5	65.2	65.8
≥ 1800	16.5	43.7	54.5	57.7	60.3	61.6	62.6	62.9	62.9	63.2	63.6	63.6	64.5	64.5	65.2	65.8
≥ 1500	16.5	43.7	54.5	57.7	60.3	61.6	62.6	62.9	62.9	63.2	63.6	63.6	64.5	64.5	65.2	65.8
≥ 1200	16.5	43.7	54.5	57.7	60.3	61.6	62.6	62.9	62.9	63.2	63.6	63.6	64.5	64.5	65.2	65.8
≥ 1000	16.5	43.7	54.5	57.7	60.3	61.6	62.6	62.9	62.9	63.2	63.6	63.6	64.5	64.5	65.2	65.8
≥ 900	16.5	43.7	54.5	57.7	60.3	61.6	62.6	62.9	62.9	63.2	63.6	63.6	64.5	64.5	65.2	65.8
≥ 800	16.5	43.7	54.5	57.7	60.3	61.6	62.6	62.9	62.9	63.2	63.6	63.6	64.5	64.5	65.2	65.8
≥ 700	16.5	43.7	54.5	57.7	60.3	61.6	62.6	62.9	62.9	63.2	63.6	63.6	64.5	64.5	65.2	65.8
≥ 600	16.5	43.7	54.5	57.7	60.3	61.6	62.6	62.9	62.9	63.2	63.6	63.6	64.5	64.5	65.2	65.8
≥ 500	16.5	43.7	54.5	57.7	60.3	61.6	62.6	62.9	62.9	63.2	63.6	63.6	64.5	64.5	65.2	65.8
≥ 400	16.5	43.7	54.5	57.7	60.3	61.6	62.6	62.9	62.9	63.2	63.6	63.6	64.5	64.5	65.2	65.8
≥ 300	16.5	43.7	54.5	57.7	60.3	61.6	62.6	62.9	62.9	63.2	63.6	63.6	64.5	64.5	65.2	65.8
≥ 200	16.5	43.7	54.5	57.7	60.3	61.6	62.6	62.9	62.9	63.2	63.6	63.6	64.5	64.5	65.2	65.8
≥ 100	16.5	43.7	54.5	57.7	60.3	61.6	62.6	62.9	62.9	63.2	63.6	63.6	64.5	64.5	65.2	65.8
≥ 0	16.5	43.7	54.5	57.7	60.3	61.6	62.6	62.9	62.9	63.2	63.6	63.6	64.5	64.5	65.2	65.8

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

73-82

YEARS

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	14.8	42.6	46.5	49.7	52.9	53.6	54.5	55.2	55.2	55.2	55.2	55.2	56.1	56.1	56.1	56.5
≥ 20000	14.8	43.9	49.1	51.6	54.8	55.8	56.8	57.4	57.4	57.4	57.4	57.4	58.4	58.4	58.4	58.7
IV 18000	14.8	43.9	48.1	51.6	54.8	55.8	56.8	57.4	57.4	57.4	57.4	57.4	58.4	58.4	58.4	58.7
IV 16000	14.8	43.9	48.1	51.6	54.8	55.8	56.8	57.4	57.4	57.4	57.4	57.4	58.4	58.4	58.4	58.7
IV 14000	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1
IV 12000	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1
IV 10000	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1
IV 9000	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1
IV 8000	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1
IV 7000	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1
IV 6000	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1
IV 5000	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1
IV 4500	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1
IV 4000	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1
IV 3500	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1
IV 3000	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1
IV 2500	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1
IV 2000	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1
IV 1800	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1
IV 1500	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1
IV 1200	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1
IV 1000	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1
IV 900	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1
IV 800	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1
IV 700	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1
IV 600	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1
IV 500	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1
IV 400	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1
IV 300	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1
IV 200	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1
IV 100	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1
IV 0	14.8	43.9	48.1	51.6	55.2	56.1	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	59.1

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

STATION NAME

13-92

YEARS

007

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)7
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	21.0	37.0	41.3	44.5	47.4	48.7	50.3	50.7	51.7	53.6	54.5	54.5	54.5	54.5	54.5	55.5
≥ 20000	21.3	37.0	43.2	46.5	49.4	50.7	52.3	52.6	52.9	55.5	56.5	56.5	56.5	56.5	56.5	57.4
≥ 18000	21.3	37.0	43.2	46.5	49.4	50.7	52.3	52.6	52.9	55.5	56.5	56.5	56.5	56.5	56.5	57.4
≥ 16000	21.3	37.0	43.2	46.5	49.4	50.7	52.3	52.6	52.9	55.5	56.5	56.5	56.5	56.5	56.5	57.4
≥ 14000	21.6	40.0	44.2	47.4	50.7	51.9	53.6	53.9	54.2	56.8	57.7	57.7	57.7	57.7	57.7	58.7
≥ 12000	21.6	40.0	44.2	47.4	50.7	51.9	53.6	53.9	54.2	56.8	57.7	57.7	57.7	57.7	57.7	58.7
≥ 10000	21.6	41.0	45.2	48.4	51.9	53.2	54.8	55.2	55.3	56.4	59.4	59.4	59.4	59.4	59.4	60.3
≥ 9000	21.6	41.0	45.5	48.7	52.3	53.6	55.2	55.5	55.8	58.7	59.7	59.7	59.7	59.7	59.7	60.7
≥ 8000	21.6	41.3	45.8	49.0	52.6	53.9	55.5	55.8	56.1	59.1	60.0	60.0	60.0	60.0	60.0	61.0
≥ 7000	21.6	42.3	46.8	50.0	53.6	54.8	56.5	56.8	57.1	60.0	61.0	61.0	61.0	61.0	61.0	61.9
≥ 6000	21.6	42.3	46.8	50.0	53.6	54.8	56.5	56.8	57.1	60.0	61.0	61.0	61.0	61.0	61.0	61.9
≥ 5000	21.6	42.3	46.8	50.0	53.6	54.8	56.5	57.1	57.4	60.3	61.3	61.3	61.3	61.3	61.3	62.3
≥ 4500	21.6	42.3	46.8	50.0	53.6	54.8	56.5	57.4	57.7	60.7	61.6	61.6	61.6	61.6	61.6	62.6
≥ 4000	21.6	42.3	46.8	50.0	53.6	54.8	56.5	57.4	57.7	60.7	61.6	61.6	61.6	61.6	61.6	62.6
≥ 3500	21.6	42.3	46.8	50.0	53.6	54.8	56.5	57.4	57.7	60.7	61.6	61.6	61.6	61.6	61.6	62.6
≥ 3000	21.6	42.3	46.8	50.0	53.6	54.8	56.5	57.4	57.7	60.7	61.6	61.6	61.6	61.6	61.6	62.6
≥ 2500	21.6	42.3	46.8	50.0	53.6	54.8	56.5	57.4	57.7	60.7	61.6	61.6	61.6	61.6	61.6	62.6
≥ 2000	21.6	42.3	46.8	50.0	53.6	54.8	56.5	57.4	57.7	60.7	61.6	61.6	61.6	61.6	61.6	62.6
≥ 1800	21.6	42.3	46.8	50.0	53.6	54.8	56.5	57.4	57.7	60.7	61.6	61.6	61.6	61.6	61.6	62.6
≥ 1500	21.6	42.3	46.8	50.0	53.6	54.8	56.5	57.4	57.7	60.7	61.6	61.6	61.6	61.6	61.6	62.6
≥ 1200	21.6	42.3	46.8	50.0	53.6	54.8	56.5	57.4	57.7	60.7	61.6	61.6	61.6	61.6	61.6	62.6
≥ 1000	21.6	42.3	46.8	50.0	53.6	54.8	56.5	57.4	57.7	60.7	61.6	61.6	61.6	61.6	61.6	62.6
≥ 900	21.6	42.3	46.8	50.0	53.6	54.8	56.5	57.4	57.7	60.7	61.6	61.6	61.6	61.6	61.6	62.6
≥ 800	21.6	42.3	46.8	50.0	53.6	54.8	56.5	57.4	57.7	60.7	61.6	61.6	61.6	61.6	61.6	62.6
≥ 700	21.6	42.3	46.8	50.0	53.6	54.8	56.5	57.4	57.7	60.7	61.6	61.6	61.6	61.6	61.6	62.6
≥ 600	21.6	42.3	46.8	50.0	53.6	54.8	56.5	57.4	57.7	60.7	61.6	61.6	61.6	61.6	61.6	62.6
≥ 500	21.6	42.3	46.8	50.0	53.6	54.8	56.5	57.4	57.7	60.7	61.6	61.6	61.6	61.6	61.6	62.6
≥ 400	21.6	42.3	46.8	50.0	53.6	54.8	56.5	57.4	57.7	60.7	61.6	61.6	61.6	61.6	61.6	62.6
≥ 300	21.6	42.3	46.8	50.0	53.6	54.8	56.5	57.4	57.7	60.7	61.6	61.6	61.6	61.6	61.6	62.6
≥ 200	21.6	42.3	46.8	50.0	53.6	54.8	56.5	57.4	57.7	60.7	61.6	61.6	61.6	61.6	61.6	62.6
≥ 100	21.6	42.3	46.8	50.0	53.6	54.8	56.5	57.4	57.7	60.7	61.6	61.6	61.6	61.6	61.6	62.6
≥ 0	21.6	42.3	46.8	50.0	53.6	54.8	56.5	57.4	57.7	60.7	61.6	61.6	61.6	61.6	61.6	62.6

TOTAL NUMBER OF OBSERVATIONS

31

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT HUBB, CALIFORNIA

STATION NAME

73-82

YEARS

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)20
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	19.7	42.3	51.7	53.9	60.3	62.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 20000	19.7	42.3	51.3	54.5	60.7	63.2	64.8	65.2	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 18000	19.7	42.3	51.3	54.5	61.3	63.6	65.2	65.5	65.5	65.8	65.8	65.8	65.8	66.1	66.1	66.1
≥ 16000	19.7	42.3	51.6	54.8	61.3	63.9	65.5	65.8	65.8	66.1	66.1	66.1	66.5	66.5	66.5	66.5
≥ 14000	19.7	44.5	53.2	56.5	63.2	65.8	67.4	67.7	67.7	68.1	68.1	68.1	68.4	68.4	68.4	68.4
≥ 12000	21.1	45.5	53.9	57.1	63.9	66.5	68.4	68.7	68.7	69.0	69.0	69.0	69.4	69.4	69.4	69.4
≥ 10000	21.1	45.5	54.5	57.7	64.5	67.1	69.0	69.4	69.4	69.7	69.7	69.7	70.0	70.0	70.0	70.0
≥ 9000	21.1	45.5	54.5	57.7	64.5	67.1	69.0	69.4	69.4	69.7	69.7	69.7	70.0	70.0	70.0	70.0
≥ 8000	21.1	45.5	54.5	57.7	64.5	67.1	69.0	69.4	69.4	69.7	69.7	69.7	70.0	70.0	70.0	70.0
≥ 7000	21.1	45.5	55.5	58.7	65.5	68.1	70.0	70.3	70.3	70.7	70.7	70.7	71.0	71.0	71.0	71.0
≥ 6000	21.1	45.5	55.5	58.7	65.5	68.1	70.0	70.3	70.3	70.7	70.7	70.7	71.0	71.0	71.0	71.0
≥ 5000	21.1	45.5	55.5	59.0	65.8	68.4	70.3	70.7	70.7	71.0	71.0	71.0	71.3	71.3	71.3	71.3
≥ 4500	21.1	45.5	55.5	59.0	65.8	68.4	70.3	70.7	70.7	71.0	71.0	71.0	71.3	71.3	71.3	71.3
≥ 4000	21.1	45.5	55.5	59.0	65.8	68.4	70.3	70.7	70.7	71.0	71.0	71.0	71.3	71.3	71.3	71.3
≥ 3500	21.1	45.5	56.1	59.4	66.1	68.7	71.0	71.3	71.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9
≥ 3000	21.1	47.1	56.4	60.3	67.1	69.7	72.3	72.6	72.6	72.9	72.9	72.9	73.2	73.2	73.2	73.2
≥ 2500	21.1	47.1	59.1	61.6	68.4	71.3	73.9	74.5	74.5	74.8	74.8	74.8	75.2	75.2	75.2	75.2
≥ 2000	22.3	47.1	59.4	62.9	70.3	73.2	76.1	76.8	76.8	77.1	77.1	77.1	77.4	77.4	77.4	77.4
≥ 1800	22.3	47.1	59.4	62.9	70.3	73.6	76.8	77.4	77.4	77.7	77.7	77.7	78.1	78.1	78.1	78.1
≥ 1500	22.3	47.1	61.0	64.5	72.9	76.1	79.7	80.7	80.7	81.0	81.0	81.0	81.3	81.3	81.3	81.3
≥ 1200	22.3	47.1	61.0	64.8	73.9	77.1	81.0	82.6	82.6	82.9	82.9	82.9	83.2	83.2	83.2	83.2
≥ 1000	22.3	47.1	61.6	65.5	74.5	78.1	82.9	84.6	84.6	85.2	85.2	85.2	85.5	85.5	85.5	85.5
≥ 900	22.3	47.1	61.6	65.5	74.5	78.1	83.6	85.5	85.5	85.8	85.8	85.8	86.1	86.1	86.1	86.1
≥ 800	22.3	47.1	61.6	65.5	74.5	78.1	83.6	86.1	86.1	86.5	86.5	86.5	86.8	86.8	86.8	86.8
≥ 700	22.3	47.1	61.9	66.1	75.2	78.7	84.8	87.7	87.7	88.4	88.4	88.4	88.7	88.7	88.7	88.7
≥ 600	22.3	47.1	61.9	66.1	75.2	79.4	85.5	89.7	89.7	90.7	90.7	90.7	91.3	91.3	91.3	91.3
≥ 500	22.3	47.1	61.9	66.1	75.2	79.4	85.5	90.7	91.0	93.2	93.2	93.2	94.2	94.2	94.2	94.2
≥ 400	22.3	47.1	61.9	66.1	75.2	79.4	85.5	91.3	91.9	94.5	94.5	94.5	95.8	95.8	95.8	95.8
≥ 300	22.3	47.1	61.9	66.1	75.2	79.4	86.5	92.3	93.2	95.8	97.4	97.4	98.1	98.1	98.1	98.1
≥ 200	22.3	47.1	61.9	66.1	75.2	79.4	86.5	92.3	93.2	96.1	98.1	98.1	98.7	98.7	98.7	98.7
≥ 100	22.3	47.1	61.9	66.1	75.2	79.4	86.5	92.3	93.2	96.1	98.7	98.7	99.4	99.4	99.4	99.4
≥ 0	22.3	47.1	61.9	66.1	75.2	79.4	86.5	92.3	93.2	96.1	98.7	98.7	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

320

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

STATION NAME

73-82

YEARS

OCT

MONTH

10

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	27.4	51.0	61.3	64.8	70.3	72.3	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 20000	23.7	52.3	62.9	67.4	73.6	75.5	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 18000	24.2	52.6	63.2	67.7	73.9	75.8	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 16000	24.2	52.6	63.2	67.7	74.2	76.1	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 14000	24.2	53.6	64.2	69.0	75.5	77.4	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 12000	24.2	53.6	64.2	69.0	75.5	77.4	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 10000	24.5	54.5	65.5	70.3	76.8	79.1	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 9000	24.5	54.5	65.5	70.3	76.8	79.1	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 8000	24.5	54.5	65.5	70.3	76.8	79.1	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 7000	24.5	54.5	65.5	70.3	76.8	79.1	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 6000	24.5	54.5	65.5	70.3	76.8	79.1	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 5000	24.5	54.5	65.5	70.3	76.8	79.1	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 4500	24.5	54.5	65.5	70.3	76.8	79.1	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 4000	25.2	55.2	66.1	71.0	77.4	80.0	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 3500	25.2	55.2	66.1	71.0	77.4	80.0	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 3000	25.2	55.2	66.1	71.0	77.4	80.0	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 2500	25.5	56.5	67.7	72.9	79.4	81.9	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 2000	25.5	57.1	68.4	73.6	80.0	82.6	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 1800	25.5	57.1	68.4	73.6	80.0	82.6	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 1500	25.5	57.1	68.4	73.6	80.0	82.6	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 1200	25.5	57.1	68.4	73.6	80.0	82.6	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 1000	25.5	57.1	68.4	73.6	80.0	82.6	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 900	25.5	57.1	68.4	73.6	80.0	82.6	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 800	25.5	57.1	68.4	73.6	80.0	82.6	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 700	25.5	57.1	68.4	73.6	80.0	82.6	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 600	25.5	57.1	68.4	73.6	80.0	82.6	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 500	25.5	57.1	68.4	73.6	80.0	82.6	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 400	25.5	57.1	68.4	73.6	80.0	82.6	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 300	25.5	57.1	68.4	73.6	80.0	82.6	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 200	25.5	57.1	68.4	73.6	80.0	82.6	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 100	25.5	57.1	68.4	73.6	80.0	82.6	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 0	25.5	57.1	68.4	73.6	80.0	82.6	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT HUEL, CALIFORNIA

77-82

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	26.7	51.3	54.1	63.3	68.8	71.4	72.7	73.4	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 20000	27.3	53.6	62.7	66.2	72.7	75.3	76.6	77.6	77.6	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 18000	27.3	54.6	63.0	67.2	73.7	76.3	77.6	78.6	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 16000	27.3	54.6	63.0	67.2	73.7	76.3	77.6	78.6	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 14000	27.3	55.2	63.5	67.4	74.7	77.3	78.6	79.6	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 12000	27.6	55.8	64.3	68.8	75.7	78.3	79.6	80.5	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 10000	27.6	56.5	64.9	69.5	76.6	79.2	80.5	81.5	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 9000	27.6	56.5	64.9	69.5	76.6	79.2	80.5	81.5	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 8000	27.6	56.5	64.9	69.5	76.6	79.2	80.5	81.5	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 7000	27.6	56.5	64.9	69.5	76.6	79.2	80.5	81.5	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 6000	27.6	56.5	64.9	69.5	76.6	79.2	80.5	81.5	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 5000	27.6	56.5	64.9	69.5	76.6	79.2	80.5	81.5	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 4500	27.9	57.1	65.6	70.8	77.9	80.5	81.8	82.8	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 4000	27.9	57.1	65.6	70.8	77.9	80.5	81.8	82.8	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3500	27.9	57.1	65.6	70.8	77.9	80.5	81.8	82.8	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3000	27.9	57.1	65.6	70.8	77.9	80.5	81.8	82.8	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2500	28.4	58.6	67.2	73.4	79.6	82.1	83.4	84.4	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 2000	28.4	58.6	67.2	73.4	79.6	82.1	83.4	84.4	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1800	28.9	59.7	68.2	73.4	80.5	83.1	84.4	85.7	85.7	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1500	28.9	59.7	68.2	73.4	81.5	84.1	85.7	87.0	87.0	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1200	29.4	60.8	69.5	74.7	82.1	85.1	86.7	88.3	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1000	29.4	60.8	69.5	74.7	84.1	87.1	88.6	90.3	90.3	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 900	29.2	60.4	69.5	75.0	84.4	87.3	89.3	90.6	90.6	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 800	29.2	60.7	69.8	75.3	85.1	88.1	89.9	91.6	91.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 700	29.2	60.7	69.8	75.3	85.1	88.3	90.9	92.5	92.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 600	29.2	60.7	69.8	75.3	85.4	88.6	91.2	93.2	93.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	29.2	60.7	69.8	75.7	85.7	89.3	92.7	94.2	94.2	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 400	29.2	60.7	69.8	75.7	85.7	89.6	92.9	95.1	95.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 300	29.2	60.7	69.8	75.7	85.7	89.6	93.5	96.4	96.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 200	29.2	60.7	69.8	76.0	86.0	89.9	93.8	97.1	97.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	29.2	60.7	69.8	76.0	86.0	89.9	93.8	97.1	97.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	29.2	60.7	69.8	76.0	86.0	89.9	93.8	97.1	97.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

377

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

STATION NAME

73-82

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	21.5	54.1	61.1	63.9	65.8	66.5	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.4	68.4	68.4
≥ 20000	22.9	53.1	65.2	68.1	71.3	74.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	73.2	73.2	73.2
IV 18000	22.9	53.7	65.8	68.7	71.7	74.9	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.9	73.9	73.9
IV 16000	22.9	53.7	65.8	68.7	71.7	74.9	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.9	73.9	73.9
IV 14000	22.9	53.7	65.8	68.7	71.7	74.9	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.9	73.9	73.9
IV 12000	23.2	53.7	67.1	70.0	72.3	73.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	75.2	75.2	75.2
IV 10000	23.2	53.7	67.1	70.0	72.3	73.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	75.2	75.2	75.2
IV 9000	23.2	53.7	67.1	70.0	72.3	73.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	75.2	75.2	75.2
IV 8000	23.2	53.7	67.1	70.0	72.3	73.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	75.2	75.2	75.2
IV 7000	23.2	53.7	67.1	70.0	72.3	73.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	75.2	75.2	75.2
IV 6000	23.2	53.7	67.1	70.0	72.3	73.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	75.2	75.2	75.2
IV 5000	23.2	53.7	67.1	70.0	72.3	73.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	75.2	75.2	75.2
IV 4500	23.2	53.7	67.1	70.0	72.3	73.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	75.2	75.2	75.2
IV 4000	23.2	53.7	67.1	70.0	72.3	73.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	75.2	75.2	75.2
IV 3500	23.2	53.7	67.1	70.0	72.3	73.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	75.2	75.2	75.2
IV 3000	23.2	53.7	67.1	70.0	72.3	73.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	75.2	75.2	75.2
IV 2500	24.2	62.9	70.7	73.6	76.1	77.1	78.4	78.7	78.7	78.7	78.7	78.7	78.7	79.4	79.4	79.4
IV 2000	24.2	62.9	70.7	73.6	76.1	77.1	78.4	78.7	78.7	78.7	78.7	78.7	78.7	79.4	79.4	79.4
IV 1800	24.2	62.9	70.7	73.6	76.1	77.1	78.4	78.7	78.7	78.7	78.7	78.7	78.7	79.4	79.4	79.4
IV 1500	24.2	62.9	70.7	73.6	76.1	77.1	78.4	78.7	78.7	78.7	78.7	78.7	78.7	79.4	79.4	79.4
IV 1200	25.2	64.8	73.9	77.1	80.7	82.3	84.2	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.2	85.2
IV 1000	25.2	64.8	73.9	77.1	80.7	82.3	84.2	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.2	85.2
IV 900	25.2	64.8	73.9	77.1	80.7	82.3	84.2	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.2	85.2
IV 800	25.2	64.8	73.9	77.1	80.7	82.3	84.2	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.2	85.2
IV 700	25.2	64.8	73.9	77.1	80.7	82.3	84.2	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.2	85.2
IV 600	25.2	64.8	73.9	77.1	80.7	82.3	84.2	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.2	85.2
IV 500	25.2	64.8	73.9	77.1	80.7	82.3	84.2	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.2	85.2
IV 400	25.2	64.8	73.9	77.1	80.7	82.3	84.2	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.2	85.2
IV 300	25.2	64.8	73.9	77.1	80.7	82.3	84.2	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.2	85.2
IV 200	25.2	64.8	73.9	77.1	80.7	82.3	84.2	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.2	85.2
IV 100	25.2	64.8	73.9	77.1	80.7	82.3	84.2	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.2	85.2
IV 0	25.2	64.8	73.9	77.1	80.7	82.3	84.2	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.2	85.2

TOTAL NUMBER OF OBSERVATIONS

110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUD, CALIFORNIA

STATION NAME

77-07

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8
NO CEILING	12.7	1.1	57.7	59.7	61.9	62.4	63.6	63.1	63.6	64.2	64.5	64.5	64.5	64.5	64.5
≥ 20000	12.7	63.2	61.3	61.5	64.5	65.2	66.1	66.1	66.1	66.2	67.1	67.1	67.1	67.1	67.7
IV 18000	12.7	63.9	60.7	62.6	65.2	65.8	66.8	66.8	66.8	67.4	67.7	67.7	67.7	67.7	68.4
IV 16000	12.7	63.9	60.7	62.6	65.2	65.8	66.8	66.8	66.8	67.4	67.7	67.7	67.7	67.7	68.4
IV 14000	12.7	63.9	61.7	62.6	65.5	66.1	67.1	67.1	67.1	67.7	68.1	68.1	68.1	68.1	68.7
IV 12000	12.7	64.5	61.3	63.2	66.1	66.8	67.7	67.7	67.7	68.4	68.7	68.7	68.7	68.7	69.4
IV 10000	12.7	64.5	61.6	63.6	66.5	67.1	68.1	68.1	68.1	68.7	69.1	69.1	69.1	69.1	69.7
IV 9000	12.7	65.2	61.4	63.4	66.9	67.4	68.4	68.4	68.4	69.1	69.4	69.4	69.4	69.4	70.1
IV 8000	12.7	65.2	61.9	63.4	66.9	67.4	68.4	68.4	68.4	69.1	69.4	69.4	69.4	69.4	70.1
IV 7000	12.7	65.5	62.3	64.2	67.1	67.7	68.7	68.7	68.7	69.4	69.7	69.7	69.7	69.7	70.4
IV 6000	12.7	65.5	62.3	64.2	67.1	67.7	68.7	68.7	68.7	69.4	69.7	69.7	69.7	69.7	70.4
IV 5000	12.7	65.5	62.3	64.2	67.1	67.7	68.7	68.7	68.7	69.4	69.7	69.7	69.7	69.7	70.4
IV 4500	12.7	65.5	62.3	64.2	67.1	67.7	68.7	68.7	68.7	69.4	69.7	69.7	69.7	69.7	70.4
IV 4000	12.7	65.5	62.3	64.2	67.1	67.7	68.7	68.7	68.7	69.4	69.7	69.7	69.7	69.7	70.4
IV 3500	12.7	65.5	62.3	64.2	67.1	67.7	68.7	68.7	68.7	69.4	69.7	69.7	69.7	69.7	70.4
IV 3000	12.7	65.5	62.3	64.2	67.1	67.7	68.7	68.7	68.7	69.4	69.7	69.7	69.7	69.7	70.4
IV 2500	12.7	65.5	62.3	64.2	67.1	67.7	68.7	68.7	68.7	69.4	69.7	69.7	69.7	69.7	70.4
IV 2000	12.7	65.5	62.3	64.2	67.1	67.7	68.7	68.7	68.7	69.4	69.7	69.7	69.7	69.7	70.4
IV 1800	12.7	65.5	62.3	64.2	67.1	67.7	68.7	68.7	68.7	69.4	69.7	69.7	69.7	69.7	70.4
IV 1500	12.7	65.5	62.3	64.2	67.1	67.7	68.7	68.7	68.7	69.4	69.7	69.7	69.7	69.7	70.4
IV 1200	12.7	65.5	62.3	64.2	67.1	67.7	68.7	68.7	68.7	69.4	69.7	69.7	69.7	69.7	70.4
IV 1000	12.7	65.5	62.3	64.2	67.1	67.7	68.7	68.7	68.7	69.4	69.7	69.7	69.7	69.7	70.4
IV 900	12.7	65.5	62.3	64.2	67.1	67.7	68.7	68.7	68.7	69.4	69.7	69.7	69.7	69.7	70.4
IV 800	12.7	65.5	62.3	64.2	67.1	67.7	68.7	68.7	68.7	69.4	69.7	69.7	69.7	69.7	70.4
IV 700	12.7	65.5	62.3	64.2	67.1	67.7	68.7	68.7	68.7	69.4	69.7	69.7	69.7	69.7	70.4
IV 600	12.7	65.5	62.3	64.2	67.1	67.7	68.7	68.7	68.7	69.4	69.7	69.7	69.7	69.7	70.4
IV 500	12.7	65.5	62.3	64.2	67.1	67.7	68.7	68.7	68.7	69.4	69.7	69.7	69.7	69.7	70.4
IV 400	12.7	65.5	62.3	64.2	67.1	67.7	68.7	68.7	68.7	69.4	69.7	69.7	69.7	69.7	70.4
IV 300	12.7	65.5	62.3	64.2	67.1	67.7	68.7	68.7	68.7	69.4	69.7	69.7	69.7	69.7	70.4
IV 200	12.7	65.5	62.3	64.2	67.1	67.7	68.7	68.7	68.7	69.4	69.7	69.7	69.7	69.7	70.4
IV 100	12.7	65.5	62.3	64.2	67.1	67.7	68.7	68.7	68.7	69.4	69.7	69.7	69.7	69.7	70.4
IV 0	12.7	65.5	62.3	64.2	67.1	67.7	68.7	68.7	68.7	69.4	69.7	69.7	69.7	69.7	70.4

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGA, CALIFORNIA

STATION NAME

77-52

YEARS

207

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2 LL

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.3	4.7	53.1	57.9	62.3	63.2	63.6	63.6	64.1	64.3	64.3	64.7	64.7	64.7	64.8	65.1
≥ 20000	2.7	43.3	55.7	57.9	63.1	64.6	65.9	66.3	66.3	66.8	67.1	67.5	67.4	67.4	67.5	67.9
18000	2.8	45.1	54.1	59.4	63.4	65.1	66.2	66.6	66.7	67.2	67.4	67.4	67.8	67.8	67.8	68.2
16000	2.9	45.1	56.1	59.4	63.5	65.1	66.3	66.7	66.8	67.3	67.5	67.5	67.8	67.8	67.9	68.2
14000	3.0	45.6	54.7	60.1	64.3	65.7	67.1	67.5	67.6	68.1	68.3	68.3	68.6	68.8	68.7	69.1
12000	3.1	45.4	57.4	60.7	65.1	66.7	68.0	68.4	68.4	69.0	69.2	69.2	69.5	69.5	69.6	69.9
10000	3.1	45.4	58.0	61.4	65.7	67.3	68.6	69.3	69.1	69.6	69.9	69.9	70.2	70.2	70.3	70.6
9000	3.1	45.4	58.0	61.5	65.8	67.4	68.7	69.1	69.1	69.7	69.7	69.9	70.3	70.3	70.3	70.7
8000	3.1	45.4	58.2	61.7	66.1	67.6	68.9	69.3	69.3	69.4	69.9	70.1	70.1	70.5	70.5	70.9
7000	3.1	45.4	58.6	62.0	66.4	68.0	69.3	69.7	69.7	70.3	70.5	70.5	70.9	70.9	70.9	71.3
6000	3.1	45.4	58.6	62.0	66.5	68.0	69.3	69.7	69.8	70.3	70.5	70.5	70.9	70.9	71.1	71.3
5000	3.1	45.4	58.8	62.2	66.6	68.2	69.5	69.9	70.5	70.7	70.7	70.7	71.1	71.1	71.2	71.5
4500	3.1	45.4	58.9	62.5	67.1	68.5	69.8	70.3	70.3	70.9	71.1	71.1	71.4	71.4	71.5	71.8
4000	3.1	45.4	59.2	62.8	67.2	68.6	70.2	70.7	70.7	71.3	71.5	71.5	71.8	71.8	71.9	72.2
3500	3.1	45.4	59.2	62.8	67.2	68.6	70.2	70.7	70.7	71.3	71.5	71.5	71.8	71.8	71.9	72.2
3000	3.1	45.4	59.2	62.8	67.2	68.6	70.2	70.7	70.7	71.3	71.5	71.5	71.8	71.8	71.9	72.2
2500	3.1	45.4	59.2	62.8	67.2	68.6	70.2	70.7	70.7	71.3	71.5	71.5	71.8	71.8	71.9	72.2
2000	3.1	45.4	59.2	62.8	67.2	68.6	70.2	70.7	70.7	71.3	71.5	71.5	71.8	71.8	71.9	72.2
1800	3.1	45.4	59.2	62.8	67.2	68.6	70.2	70.7	70.7	71.3	71.5	71.5	71.8	71.8	71.9	72.2
1500	3.1	45.4	59.2	62.8	67.2	68.6	70.2	70.7	70.7	71.3	71.5	71.5	71.8	71.8	71.9	72.2
1200	3.1	45.4	59.2	62.8	67.2	68.6	70.2	70.7	70.7	71.3	71.5	71.5	71.8	71.8	71.9	72.2
1000	3.1	45.4	59.2	62.8	67.2	68.6	70.2	70.7	70.7	71.3	71.5	71.5	71.8	71.8	71.9	72.2
900	3.1	45.4	59.2	62.8	67.2	68.6	70.2	70.7	70.7	71.3	71.5	71.5	71.8	71.8	71.9	72.2
800	3.1	45.4	59.2	62.8	67.2	68.6	70.2	70.7	70.7	71.3	71.5	71.5	71.8	71.8	71.9	72.2
700	3.1	45.4	59.2	62.8	67.2	68.6	70.2	70.7	70.7	71.3	71.5	71.5	71.8	71.8	71.9	72.2
600	3.1	45.4	59.2	62.8	67.2	68.6	70.2	70.7	70.7	71.3	71.5	71.5	71.8	71.8	71.9	72.2
500	3.1	45.4	59.2	62.8	67.2	68.6	70.2	70.7	70.7	71.3	71.5	71.5	71.8	71.8	71.9	72.2
400	3.1	45.4	59.2	62.8	67.2	68.6	70.2	70.7	70.7	71.3	71.5	71.5	71.8	71.8	71.9	72.2
300	3.1	45.4	59.2	62.8	67.2	68.6	70.2	70.7	70.7	71.3	71.5	71.5	71.8	71.8	71.9	72.2
200	3.1	45.4	59.2	62.8	67.2	68.6	70.2	70.7	70.7	71.3	71.5	71.5	71.8	71.8	71.9	72.2
100	3.1	45.4	59.2	62.8	67.2	68.6	70.2	70.7	70.7	71.3	71.5	71.5	71.8	71.8	71.9	72.2
0	3.1	45.4	59.2	62.8	67.2	68.6	70.2	70.7	70.7	71.3	71.5	71.5	71.8	71.8	71.9	72.2

TOTAL NUMBER OF OBSERVATIONS

247

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

STATION NAME

13-92

YEARS

NOV

MORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	41.7	64.7	66.7	67.7	69.7	71.7	72.0	72.3	72.3	72.7	72.7	72.7	72.7	72.7	73.0
≥ 20000	41.7	64.7	66.7	67.7	72.7	73.0	74.3	74.7	74.7	75.0	75.0	75.0	75.0	75.0	75.3
18000	41.7	64.0	68.7	71.0	72.0	73.0	74.3	74.7	74.7	75.0	75.0	75.0	75.0	75.0	75.3
16000	41.7	64.0	68.7	70.3	72.0	73.0	74.3	74.7	74.7	75.0	75.0	75.0	75.0	75.0	75.3
14000	41.7	64.0	68.7	70.3	72.0	73.0	74.3	74.7	74.7	75.0	75.0	75.0	75.0	75.0	75.3
12000	41.7	64.0	69.0	70.3	72.3	73.3	74.7	75.0	75.0	75.3	75.3	75.3	75.3	75.3	75.7
10000	41.7	65.0	70.0	71.0	73.7	74.7	76.0	76.3	76.3	76.7	76.7	76.7	76.7	76.7	77.0
9000	42.0	65.3	70.3	71.7	74.0	75.0	76.3	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.3
8000	42.0	65.3	70.3	71.7	74.0	75.0	76.3	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.3
7000	42.0	65.3	70.3	71.7	74.0	75.0	76.3	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.3
6000	42.0	65.3	71.0	71.7	74.0	75.0	76.3	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.3
5000	42.0	65.3	71.0	72.0	74.3	75.3	76.7	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.7
4500	42.0	65.3	70.7	72.7	75.0	76.0	77.3	77.7	77.7	78.0	78.0	78.0	78.0	78.0	78.3
4000	42.0	65.7	71.3	73.3	75.7	76.7	78.0	78.3	78.3	78.7	78.7	78.7	78.7	78.7	79.0
3500	42.3	66.0	71.7	73.7	76.3	77.3	78.7	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.7
3000	42.7	66.7	72.3	74.3	77.0	78.0	79.3	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.3
2500	43.0	67.3	73.0	75.0	77.7	78.7	80.0	80.3	80.3	80.7	80.7	80.7	80.7	80.7	81.0
2000	43.0	67.3	74.0	76.3	79.0	80.0	81.3	81.7	81.7	82.0	82.0	82.0	82.0	82.0	82.3
1800	43.0	67.3	74.0	76.3	79.0	80.0	81.3	81.7	82.0	82.3	82.3	82.3	82.3	82.3	82.7
1500	43.0	67.7	75.0	77.7	81.0	82.3	83.7	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.7
1200	43.3	67.0	75.3	77.3	81.7	83.0	84.3	84.7	84.7	85.0	85.0	85.0	85.0	85.0	85.3
1000	43.7	67.7	77.3	78.7	84.0	85.3	87.0	87.3	87.3	87.7	87.7	87.7	87.7	87.7	88.0
900	43.7	67.7	77.3	78.7	84.0	85.3	87.0	87.3	87.3	87.7	87.7	87.7	87.7	87.7	88.0
800	43.3	70.3	78.3	81.7	85.3	86.7	88.3	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.3
700	43.3	70.3	78.7	82.0	86.3	87.7	89.3	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.3
600	43.3	70.3	78.7	82.0	86.7	88.0	90.3	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.3
500	43.3	70.3	78.7	82.0	86.7	88.0	90.3	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.3
400	43.3	70.3	78.7	82.0	86.7	88.0	90.7	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.7
300	43.3	70.3	78.7	82.0	87.0	88.3	91.3	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.3
200	43.3	70.3	78.7	82.0	87.0	88.3	91.3	92.3	92.3	93.7	94.3	94.3	94.3	94.3	94.7
100	43.3	70.3	78.7	82.3	87.3	88.7	91.7	92.7	92.7	94.3	95.0	95.0	95.0	95.0	95.7
0	43.3	70.3	78.7	82.3	87.3	88.7	91.7	92.7	92.7	94.3	95.0	95.0	95.0	95.0	95.7

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT HUGH, CALIFORNIA

73-82

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

74
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 20000	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 18000	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 16000	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 14000	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 12000	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 10000	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 9000	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 8000	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 7000	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 6000	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 5000	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4500	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4000	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3500	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3000	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 2500	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 2000	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1800	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1500	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1200	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1000	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 900	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 800	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 700	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 600	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 500	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 400	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 300	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 200	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 100	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 0	40.3	67.3	71.3	72.3	74.7	75.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7

TOTAL NUMBER OF OBSERVATIONS 500

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT HUGH, CALIFORNIA

13-92

NCV

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

7
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.3	62.3	64.7	66.0	66.7	67.3	67.7	68.3	68.7	69.7	69.7	69.7	69.7	69.7	69.7	70.7
≥ 20000	46.3	64.3	66.7	68.3	69.7	70.0	70.7	71.0	71.0	72.7	72.7	72.7	72.7	72.7	72.7	73.3
≥ 18000	46.3	64.3	66.7	68.3	69.7	70.0	70.7	71.0	71.0	72.7	72.7	72.7	72.7	72.7	72.7	73.3
≥ 16000	46.3	65.0	67.3	69.0	69.7	70.7	71.3	71.7	71.7	73.3	73.3	73.3	73.3	73.3	73.3	74.0
≥ 14000	46.7	66.0	68.7	70.3	71.0	72.3	73.0	73.3	73.3	75.0	75.0	75.0	75.0	75.0	75.0	75.7
≥ 12000	46.7	66.7	69.7	71.3	72.0	73.3	74.0	74.3	74.3	76.0	76.0	76.0	76.0	76.0	76.0	76.7
≥ 10000	47.0	67.7	70.7	72.3	73.0	74.3	75.0	75.3	75.3	77.0	77.0	77.0	77.0	77.0	77.0	77.7
≥ 9000	47.0	67.7	70.7	72.3	73.0	74.3	75.0	75.3	75.3	77.0	77.0	77.0	77.0	77.0	77.0	77.7
≥ 8000	47.0	67.7	70.7	72.3	73.0	74.3	75.0	75.3	75.3	77.0	77.0	77.0	77.0	77.0	77.0	77.7
≥ 7000	47.0	68.0	71.0	72.7	73.3	74.7	75.3	75.7	75.7	77.3	77.3	77.3	77.3	77.3	77.3	78.0
≥ 6000	47.0	68.3	71.0	72.7	73.3	74.7	75.3	75.7	75.7	77.3	77.3	77.3	77.3	77.3	77.3	78.0
≥ 5000	47.3	68.7	71.7	73.3	74.7	75.3	76.0	76.3	76.3	78.0	78.0	78.0	78.0	78.0	78.0	78.7
≥ 4500	47.3	69.3	72.3	74.0	74.7	76.0	76.7	77.0	77.0	78.7	78.7	78.7	78.7	78.7	78.7	79.3
≥ 4000	47.3	69.3	72.7	74.3	75.0	76.3	77.0	77.3	77.3	79.0	79.0	79.0	79.0	79.0	79.0	79.7
≥ 3500	47.3	69.7	73.0	74.7	75.3	76.7	77.7	78.3	78.3	79.7	79.7	79.7	79.7	79.7	79.7	80.3
≥ 3000	47.3	70.0	74.3	76.0	77.0	78.3	79.3	79.7	79.7	81.3	81.3	81.3	81.3	81.3	81.3	82.0
≥ 2500	47.3	70.0	74.3	76.0	77.0	78.3	79.3	79.7	79.7	81.3	81.3	81.3	81.3	81.3	81.3	82.0
≥ 2000	47.3	70.0	74.3	76.0	77.0	78.3	79.3	79.7	79.7	81.3	81.3	81.3	81.3	81.3	81.3	82.0
≥ 1800	47.3	70.0	74.3	76.0	77.0	78.3	79.3	79.7	79.7	81.3	81.3	81.3	81.3	81.3	81.3	82.0
≥ 1500	47.3	70.0	74.3	76.0	77.0	78.3	79.3	79.7	79.7	81.3	81.3	81.3	81.3	81.3	81.3	82.0
≥ 1200	47.3	70.0	74.3	76.0	77.0	78.3	79.3	79.7	79.7	81.3	81.3	81.3	81.3	81.3	81.3	82.0
≥ 1000	47.3	70.0	74.3	76.0	77.0	78.3	79.3	79.7	79.7	81.3	81.3	81.3	81.3	81.3	81.3	82.0
≥ 900	47.3	70.0	74.3	76.0	77.0	78.3	79.3	79.7	79.7	81.3	81.3	81.3	81.3	81.3	81.3	82.0
≥ 800	47.3	70.0	74.3	76.0	77.0	78.3	79.3	79.7	79.7	81.3	81.3	81.3	81.3	81.3	81.3	82.0
≥ 700	47.3	70.0	74.3	76.0	77.0	78.3	79.3	79.7	79.7	81.3	81.3	81.3	81.3	81.3	81.3	82.0
≥ 600	47.3	70.0	74.3	76.0	77.0	78.3	79.3	79.7	79.7	81.3	81.3	81.3	81.3	81.3	81.3	82.0
≥ 500	47.3	70.0	74.3	76.0	77.0	78.3	79.3	79.7	79.7	81.3	81.3	81.3	81.3	81.3	81.3	82.0
≥ 400	47.3	70.0	74.3	76.0	77.0	78.3	79.3	79.7	79.7	81.3	81.3	81.3	81.3	81.3	81.3	82.0
≥ 300	47.3	70.0	74.3	76.0	77.0	78.3	79.3	79.7	79.7	81.3	81.3	81.3	81.3	81.3	81.3	82.0
≥ 200	47.3	70.0	74.3	76.0	77.0	78.3	79.3	79.7	79.7	81.3	81.3	81.3	81.3	81.3	81.3	82.0
≥ 100	47.3	70.0	74.3	76.0	77.0	78.3	79.3	79.7	79.7	81.3	81.3	81.3	81.3	81.3	81.3	82.0
≥ 0	47.3	70.0	74.3	76.0	77.0	78.3	79.3	79.7	79.7	81.3	81.3	81.3	81.3	81.3	81.3	82.0

TOTAL NUMBER OF OBSERVATIONS 500

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

11
STATION

POINT MUGU, CALIFORNIA

73-82

YEARS

NOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.7	62.3	65.3	67.7	71.7	72.3	73.0	73.0	73.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 20000	51.0	66.7	71.7	73.0	76.7	78.0	78.7	78.7	78.7	79.0	79.7	79.0	79.0	79.0	79.7	79.3
≥ 18000	50.7	67.3	71.3	73.7	77.3	78.7	79.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.0
≥ 16000	50.7	67.3	71.7	74.0	77.7	79.0	79.7	79.7	79.7	81.0	80.0	80.0	80.0	80.0	80.0	80.3
≥ 14000	51.0	68.3	72.7	75.3	78.7	80.0	80.7	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.3
≥ 12000	51.3	68.3	73.3	76.0	79.7	81.0	81.7	81.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.3
≥ 10000	51.3	68.3	73.3	76.0	79.7	81.0	81.7	81.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.3
≥ 9000	51.3	68.0	73.3	76.0	79.7	81.0	81.7	81.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.3
≥ 8000	51.3	68.0	73.3	76.0	79.7	81.0	81.7	81.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.3
≥ 7000	51.3	68.0	73.3	76.3	80.0	81.3	82.0	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.7
≥ 6000	51.3	68.0	73.3	76.3	80.0	81.3	82.0	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.7
≥ 5000	51.3	68.0	73.7	76.7	80.3	81.7	82.3	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	83.0
≥ 4500	51.3	68.0	73.7	76.7	80.3	81.7	82.3	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	83.0
≥ 4000	51.7	68.3	74.0	77.0	80.7	82.0	82.7	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.7
≥ 3500	51.7	68.7	74.3	77.3	81.0	82.3	83.0	83.0	83.0	83.7	83.7	83.7	83.7	83.7	83.7	84.0
≥ 3000	52.0	71.0	75.7	78.7	82.3	83.7	84.7	85.0	85.0	85.7	85.7	85.7	85.7	85.7	85.7	86.0
≥ 2500	52.0	71.7	76.7	79.7	83.3	85.7	86.7	87.0	87.0	87.7	87.7	87.7	87.7	87.7	87.7	88.0
≥ 2000	52.0	71.7	76.7	79.7	83.7	86.0	87.0	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.3
≥ 1800	52.0	71.7	76.7	79.7	83.7	86.0	87.0	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.3
≥ 1500	52.3	72.3	77.7	81.0	85.7	88.3	89.3	89.7	89.7	90.3	90.7	90.7	90.7	90.7	90.7	91.0
≥ 1200	52.3	72.3	77.7	81.3	86.0	88.7	90.0	90.3	90.3	91.0	91.3	91.3	91.3	91.3	91.3	91.7
≥ 1000	52.7	73.0	78.3	82.0	87.0	90.0	91.7	92.7	92.7	93.3	93.7	93.7	93.7	93.7	93.7	94.0
≥ 900	52.7	73.0	78.3	82.0	87.0	90.0	91.7	92.7	92.7	93.3	93.7	93.7	93.7	93.7	93.7	94.0
≥ 800	52.7	73.0	78.3	82.0	87.0	90.0	91.7	92.7	92.7	93.3	93.7	93.7	93.7	93.7	93.7	94.0
≥ 700	52.7	73.0	78.3	82.0	87.0	90.0	91.7	92.7	92.7	93.3	93.7	93.7	93.7	93.7	93.7	94.0
≥ 600	52.7	73.0	78.3	82.0	87.0	90.0	91.7	92.7	92.7	93.3	93.7	93.7	93.7	93.7	93.7	94.0
≥ 500	52.7	73.0	78.3	82.0	87.0	90.0	91.7	92.7	92.7	93.3	93.7	93.7	93.7	93.7	93.7	94.0
≥ 400	52.7	73.0	78.3	82.0	87.0	90.0	91.7	92.7	92.7	93.3	93.7	93.7	93.7	93.7	93.7	94.0
≥ 300	52.7	73.0	78.3	82.0	87.0	90.0	91.7	92.7	92.7	93.3	93.7	93.7	93.7	93.7	93.7	94.0
≥ 200	52.7	73.0	78.3	82.0	87.0	90.0	91.7	92.7	92.7	93.3	93.7	93.7	93.7	93.7	93.7	94.0
≥ 100	52.7	73.0	78.3	82.0	87.0	90.0	91.7	92.7	92.7	93.3	93.7	93.7	93.7	93.7	93.7	94.0
≥ 0	52.7	73.0	78.3	82.0	87.0	90.0	91.7	92.7	92.7	93.3	93.7	93.7	93.7	93.7	93.7	94.0

TOTAL NUMBER OF OBSERVATIONS 320

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

STATION NAME

73-82

YEARS

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.3	57.7	66.3	69.3	72.7	73.3	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.7	75.7
≥ 20000	47.3	64.3	71.3	74.7	78.7	79.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.7	81.7
≥ 18000	47.7	64.7	71.7	75.3	79.3	79.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	82.3	82.3
≥ 16000	47.7	64.7	71.7	75.3	79.3	79.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	82.3	82.3
≥ 14000	48.3	66.3	73.3	76.3	80.7	81.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.7	83.7
≥ 12000	49.3	66.7	73.7	77.3	81.7	82.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.7	84.7
≥ 10000	49.3	67.3	74.3	77.7	82.3	82.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 9000	49.3	67.3	74.3	77.7	82.7	83.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 8000	49.3	68.3	75.3	78.7	83.3	83.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 7000	49.3	68.3	75.3	78.7	83.3	83.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 6000	49.3	68.3	75.3	78.7	83.3	83.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 5000	49.3	68.3	75.3	78.7	83.3	83.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 4500	49.3	68.3	75.3	78.7	83.3	83.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 4000	49.3	68.3	75.3	78.7	83.3	83.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3500	49.3	68.3	75.3	78.7	83.3	83.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3000	49.3	68.3	75.3	78.7	83.3	83.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2500	49.3	68.3	75.3	78.7	83.3	83.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2000	49.3	68.3	75.3	78.7	83.3	83.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1800	49.3	68.3	75.3	78.7	83.3	83.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1500	49.3	68.3	75.3	78.7	83.3	83.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1200	49.3	68.3	75.3	78.7	83.3	83.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1000	49.3	68.3	75.3	78.7	83.3	83.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 900	49.3	68.3	75.3	78.7	83.3	83.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 800	49.3	68.3	75.3	78.7	83.3	83.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 700	49.3	68.3	75.3	78.7	83.3	83.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 600	49.3	68.3	75.3	78.7	83.3	83.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 500	49.3	68.3	75.3	78.7	83.3	83.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 400	49.3	68.3	75.3	78.7	83.3	83.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 300	49.3	68.3	75.3	78.7	83.3	83.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 200	49.3	68.3	75.3	78.7	83.3	83.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 100	49.3	68.3	75.3	78.7	83.3	83.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 0	49.3	68.3	75.3	78.7	83.3	83.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3

TOTAL NUMBER OF OBSERVATIONS

320

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUD, CALIFORNIA

STATION NAME

73-87

YEARS

NCV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	43.3	67.7	67.7	77.7	72.0	74.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 20000	46.7	67.7	72.7	76.7	77.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 18000	45.7	67.7	73.3	76.7	78.3	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 16000	46.3	67.7	73.7	77.7	78.7	81.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 14000	47.7	69.0	75.0	78.3	80.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 12000	47.7	69.0	75.7	78.3	80.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 10000	47.7	71.3	76.7	80.7	82.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 9000	47.3	71.3	77.3	80.7	82.7	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 8000	47.3	71.0	77.3	80.7	82.7	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 7000	47.3	71.0	77.3	80.7	82.7	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 6000	47.3	71.0	77.3	80.7	82.7	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 5000	48.0	71.7	78.3	81.7	83.7	86.3	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 4500	48.7	72.0	78.7	82.3	84.0	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 4000	48.0	72.0	78.7	82.3	84.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 3500	48.7	72.7	79.3	82.7	84.7	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 3000	48.7	74.0	80.7	84.0	86.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2500	49.3	75.3	82.7	86.0	88.0	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 2000	49.3	75.7	83.7	86.3	88.3	91.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1800	49.3	75.7	83.7	86.3	88.3	91.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1500	49.3	77.0	84.3	87.7	89.7	92.7	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1200	49.7	77.7	85.0	88.7	90.7	93.7	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1000	49.7	77.7	85.0	89.3	91.0	94.3	95.0	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 900	50.0	78.0	85.3	89.7	91.7	95.0	95.7	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 800	50.0	78.3	86.0	90.7	92.7	96.0	96.7	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700	50.0	78.3	86.0	90.7	92.7	96.3	97.0	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 600	50.0	78.3	86.0	91.0	93.0	96.7	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 500	50.0	78.3	86.3	91.0	93.0	96.7	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 400	50.0	78.7	86.3	91.3	93.3	97.0	97.7	98.3	98.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	50.0	78.7	86.3	91.3	93.3	97.0	97.7	98.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	50.0	78.7	86.3	91.3	93.3	97.0	97.7	98.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	50.0	78.7	86.3	91.3	93.3	97.0	97.7	98.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	50.0	78.7	86.3	91.3	93.3	97.0	97.7	98.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUGO, CALIFORNIA

73-82

NOV

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.2	67.9	77.9	72.9	75.6	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.9	76.9	77.3
≥ 20000	47.2	69.9	72.9	74.9	77.6	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.9	78.9	79.3
IV 18000	47.2	69.9	72.9	74.9	77.6	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.9	78.9	79.3
IV 16000	47.2	69.9	72.9	74.9	77.6	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.9	78.9	79.3
IV 14000	47.2	69.9	72.9	74.9	77.6	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.9	78.9	79.3
IV 12000	47.5	71.9	73.9	75.9	78.6	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.9	79.9	80.3
IV 10000	47.8	71.9	74.9	76.9	79.6	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.9	80.9	81.3
IV 9000	47.8	72.2	75.3	77.3	79.9	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	81.3	81.3	81.6
IV 8000	47.8	72.2	75.3	77.3	79.9	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	81.3	81.3	81.6
IV 7000	47.8	72.2	75.3	77.3	79.9	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	81.3	81.3	81.6
IV 6000	47.8	72.9	75.9	77.9	80.6	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.9	81.9	82.3
IV 5000	47.8	73.6	76.6	78.6	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.9	82.9	83.3
IV 4500	47.8	74.3	77.3	79.3	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.6	83.6	84.0
IV 4000	47.8	74.3	77.3	79.3	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.6	83.6	84.0
IV 3500	47.8	74.6	77.6	79.6	82.6	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	84.0	84.0	84.3
IV 3000	47.8	75.9	78.9	81.9	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	85.3	85.3	85.6
IV 2500	47.8	77.6	81.9	84.9	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	87.3	87.3	87.6
IV 2000	47.5	78.6	81.9	84.9	87.0	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	88.3	88.3	88.6
IV 1800	47.5	78.6	81.9	84.9	87.0	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	88.3	88.3	88.6
IV 1500	47.5	79.6	82.9	85.6	88.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	90.3	90.3	90.6
IV 1200	47.5	79.9	83.6	86.3	89.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	91.3	91.3	91.7
IV 1000	47.5	80.6	85.0	88.3	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	93.3	93.3	93.7
IV 900	47.5	81.6	86.3	89.3	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	93.3	93.3	93.7
IV 800	47.5	81.6	86.3	89.3	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	93.3	93.3	93.7
IV 700	47.5	81.6	86.3	89.3	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	93.3	93.3	93.7
IV 600	47.5	81.6	86.3	89.3	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	93.3	93.3	93.7
IV 500	47.5	81.6	86.3	89.3	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	93.3	93.3	93.7
IV 400	47.5	81.6	86.3	89.3	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	93.3	93.3	93.7
IV 300	47.5	81.6	86.3	89.3	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	93.3	93.3	93.7
IV 200	47.5	81.6	86.3	89.3	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	93.3	93.3	93.7
IV 100	47.5	81.6	86.3	89.3	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	93.3	93.3	93.7
IV 0	47.5	81.6	86.3	89.3	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	93.3	93.3	93.7

TOTAL NUMBER OF OBSERVATIONS

299

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGL, CALIFORNIA

STATION NAME

73-82

YEARS

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)2
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.3	50.3	69.7	72.3	73.3	74.3	77.0	77.0	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 20000	44.3	66.3	7.7	73.3	74.3	75.3	78.3	78.3	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 18000	44.3	66.3	70.7	73.3	74.3	75.3	78.3	78.3	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 16000	44.3	66.3	70.7	73.3	74.3	75.3	78.0	78.3	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 14000	44.7	66.7	71.0	73.7	74.7	75.7	78.3	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 12000	44.7	67.3	71.7	74.3	75.3	76.3	79.0	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 10000	44.7	67.3	71.7	74.3	75.7	76.7	79.3	79.3	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 9000	44.7	67.3	71.7	74.3	75.7	76.7	79.3	79.3	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 8000	44.7	67.3	71.7	74.3	75.7	76.7	79.3	79.3	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 7000	44.7	67.3	71.7	74.3	75.7	76.7	79.3	79.3	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 6000	44.7	67.3	71.7	74.3	75.7	76.7	79.3	79.3	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 5000	44.7	68.3	72.3	75.3	76.3	77.3	80.0	80.0	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 4500	44.7	68.3	73.3	75.7	77.7	78.0	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 4000	44.7	68.3	73.7	76.3	77.7	78.7	81.3	81.3	81.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 3500	45.0	68.3	74.3	77.3	78.3	79.3	82.3	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 3000	45.0	68.3	75.0	77.7	79.0	80.0	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 2500	45.7	70.7	76.7	79.3	80.7	81.7	84.3	84.3	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 2000	45.7	71.3	77.3	79.7	81.3	82.0	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1800	45.7	71.3	77.3	81.3	81.7	82.7	85.3	85.3	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 1500	45.7	71.7	78.3	81.3	83.7	84.0	86.7	86.7	87.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 1200	45.7	71.7	78.7	82.3	83.7	85.7	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1000	45.7	72.0	79.3	82.7	84.3	85.7	88.3	88.3	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 900	45.7	72.0	79.3	82.7	84.3	85.7	88.3	88.3	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 800	45.7	72.7	80.7	84.3	86.7	88.3	90.7	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 700	45.7	72.7	81.7	84.7	87.3	88.7	91.3	91.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 600	45.7	72.7	81.3	85.0	87.7	89.0	92.3	92.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 500	45.7	73.0	81.7	85.3	88.7	90.0	93.3	93.7	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 400	45.7	73.3	82.0	85.7	89.0	90.3	93.7	94.0	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 300	45.7	73.3	82.3	85.7	89.0	90.3	93.7	94.0	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 200	45.7	73.3	82.7	85.7	89.0	90.3	93.7	94.7	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 100	45.7	73.3	82.7	85.7	89.0	90.3	94.0	94.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 0	45.7	73.3	82.0	85.7	89.0	90.3	94.0	94.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3

TOTAL NUMBER OF OBSERVATIONS

200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT HUGO, CALIFORNIA

73-82

YEARS

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.7	63.5	67.7	64.8	72.7	73.0	74.1	74.2	74.3	74.6	74.7	74.8	74.9	74.7	74.9	75.1
≥ 20000	45.3	66.3	71.7	72.9	75.2	76.2	77.4	77.6	77.6	78.0	78.3	78.3	78.3	78.0	78.2	78.4
IV 18000	45.4	66.5	71.9	73.1	75.4	76.5	77.6	77.8	77.8	78.2	78.2	78.2	78.2	78.2	78.4	78.6
IV 16000	45.4	66.7	71.1	73.3	75.5	76.6	77.8	78.1	78.4	78.3	78.3	78.3	78.4	78.4	78.4	78.7
IV 14000	45.7	67.2	71.7	74.0	76.3	77.5	78.6	78.8	78.8	79.2	79.2	79.2	79.2	79.2	79.4	79.6
IV 12000	45.7	67.7	72.3	74.5	76.4	78.1	79.2	79.4	79.5	79.8	79.8	79.8	79.8	79.9	79.9	80.2
IV 10000	45.7	68.3	73.1	75.3	77.8	79.3	80.7	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.9	81.1
IV 9000	45.7	68.5	73.2	75.5	78.1	79.2	80.3	80.5	80.5	80.9	80.9	80.9	80.9	81.0	81.1	81.3
IV 8000	45.7	68.7	73.3	75.8	78.1	79.3	80.5	80.6	80.7	81.1	81.1	81.1	81.1	81.1	81.1	81.4
IV 7000	45.7	68.7	73.3	75.7	78.2	79.4	80.5	80.7	80.7	81.1	81.1	81.1	81.1	81.2	81.2	81.5
IV 6000	45.7	68.8	73.4	75.8	78.3	79.5	80.6	80.8	80.8	81.2	81.2	81.2	81.2	81.2	81.4	81.6
IV 5000	45.7	68.8	73.9	76.3	78.9	80.0	81.2	81.4	81.4	81.7	81.7	81.7	81.7	81.8	81.8	82.2
IV 4500	45.7	68.8	74.3	76.6	79.3	80.5	81.7	81.8	81.9	82.2	82.2	82.2	82.2	82.3	82.3	82.6
IV 4000	45.7	68.8	74.6	77.1	79.6	80.8	82.0	82.2	82.2	82.6	82.6	82.6	82.6	82.7	82.7	83.1
IV 3500	45.7	70.1	75.1	77.6	80.2	81.3	82.6	82.7	82.8	83.2	83.2	83.2	83.2	83.2	83.4	83.6
IV 3000	45.7	71.0	76.1	78.7	81.2	82.5	83.7	84.0	84.0	84.4	84.4	84.4	84.4	84.5	84.5	84.8
IV 2500	47.1	72.2	77.5	80.1	82.7	84.0	85.3	85.5	85.6	86.0	86.0	86.0	86.0	86.1	86.1	86.4
IV 2000	47.5	73.3	78.2	80.7	83.5	84.8	86.1	86.5	86.4	86.8	86.8	86.8	86.8	87.0	87.1	87.3
IV 1800	47.4	72.9	78.3	81.0	83.7	85.2	86.5	86.7	86.7	87.2	87.3	87.3	87.4	87.4	87.5	87.7
IV 1600	47.7	73.5	78.1	82.0	85.1	86.8	88.2	88.5	88.6	89.1	89.2	89.2	89.3	89.3	89.5	89.6
IV 1400	47.8	73.8	78.6	82.7	85.7	87.5	89.0	89.3	89.4	89.9	90.0	90.0	90.1	90.1	90.3	90.4
IV 1200	47.3	74.3	80.4	83.7	86.7	88.8	90.4	90.8	90.9	91.5	91.6	91.6	91.8	91.8	91.9	92.1
IV 1000	47.7	74.3	81.5	83.9	87.2	89.0	90.6	91.1	91.1	91.8	91.9	91.9	92.0	92.0	92.2	92.3
IV 900	47.7	74.7	81.1	84.7	88.2	90.1	91.7	92.2	92.3	93.0	93.1	93.1	93.2	93.3	93.4	93.6
IV 800	47.7	74.7	81.2	84.8	88.5	90.6	92.3	92.9	93.3	93.9	94.0	94.0	94.2	94.2	94.3	94.5
IV 700	47.7	74.8	81.4	85.0	88.8	90.9	92.9	93.5	93.6	94.7	94.8	94.8	95.0	95.0	95.1	95.3
IV 600	47.7	74.8	81.4	85.0	88.9	91.0	93.0	93.8	93.8	95.0	95.2	95.2	95.3	95.3	95.5	95.7
IV 500	47.7	75.0	81.6	85.2	89.1	91.3	93.4	94.2	94.2	95.6	95.8	95.8	96.1	96.1	96.3	96.5
IV 400	47.7	75.0	81.6	85.2	89.1	91.3	93.4	94.2	94.2	95.6	95.8	95.8	96.1	96.1	96.3	96.5
IV 300	47.7	75.0	81.6	85.2	89.1	91.3	93.4	94.2	94.2	95.6	95.8	95.8	96.1	96.1	96.3	96.5
IV 200	47.7	75.0	81.6	85.2	89.1	91.3	93.4	94.2	94.2	95.6	95.8	95.8	96.1	96.1	96.3	96.5
IV 100	47.7	75.0	81.6	85.2	89.1	91.3	93.4	94.2	94.2	95.6	95.8	95.8	96.1	96.1	96.3	96.5
IV 0	47.7	75.0	81.6	85.2	89.1	91.3	93.4	94.2	94.2	95.6	95.8	95.8	96.1	96.1	96.3	96.5

TOTAL NUMBER OF OBSERVATIONS

2399

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUD, CALIFORNIA

STATION NAME

73-82

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	57.1	58.3	63.2	64.0	69.7	69.7	72.9	73.0	73.0	73.9	73.9	73.9	74.5	74.5	75.2	75.9
≥ 20000	32.4	62.7	65.8	67.4	72.3	72.3	75.5	76.1	76.1	76.8	76.8	76.8	77.4	77.4	78.1	78.7
≥ 18000	39.4	62.7	65.8	67.7	72.6	72.6	75.8	76.5	76.5	77.1	77.1	77.1	77.7	77.7	78.4	79.1
≥ 16000	34.7	63.2	66.1	68.1	72.9	72.9	76.1	76.8	76.8	77.4	77.4	77.4	78.1	78.1	78.7	79.4
≥ 14000	39.7	63.6	66.5	68.4	73.2	73.2	76.5	77.1	77.1	77.7	77.7	77.7	78.4	78.4	79.0	79.7
≥ 12000	34.7	63.6	66.5	68.4	73.2	73.2	76.5	77.1	77.1	77.7	77.7	77.7	78.4	78.4	79.0	79.7
≥ 10000	39.7	64.2	67.1	69.0	73.9	73.9	77.4	78.1	78.1	79.0	79.0	79.0	79.7	79.7	80.3	81.0
≥ 9000	39.7	64.2	67.1	69.0	73.9	73.9	77.4	78.1	78.1	79.0	79.0	79.0	79.7	79.7	80.3	81.0
≥ 8000	39.7	64.8	68.1	70.0	74.8	74.8	78.4	79.0	79.0	80.0	80.0	80.0	80.7	80.7	81.3	81.9
≥ 7000	39.7	65.2	68.4	70.3	75.2	75.2	78.7	79.4	79.4	80.3	80.3	80.3	81.0	81.0	81.6	82.3
≥ 6000	39.7	65.2	68.4	70.3	75.2	75.2	78.7	79.4	79.4	80.3	80.3	80.3	81.0	81.0	81.6	82.3
≥ 5000	39.7	65.2	68.4	70.3	75.2	75.2	78.7	79.4	79.4	80.3	80.3	80.3	81.0	81.0	81.6	82.3
≥ 4500	39.7	65.8	69.4	71.3	76.1	76.1	79.7	80.3	80.3	81.3	81.3	81.3	81.9	81.9	82.6	83.2
≥ 4000	39.7	66.1	69.7	71.6	76.5	76.5	80.0	80.7	80.7	81.6	81.6	81.6	82.3	82.3	82.9	83.6
≥ 3500	40.0	66.0	70.3	72.3	77.1	77.1	80.7	81.3	81.3	82.3	82.3	82.3	82.9	82.9	83.6	84.2
≥ 3000	40.0	67.1	71.7	72.6	77.4	77.4	81.3	81.9	81.9	82.9	82.9	82.9	83.6	83.6	84.2	84.8
≥ 2500	40.7	68.1	71.6	73.6	78.7	78.7	82.6	83.2	83.2	84.2	84.2	84.2	84.8	84.8	85.5	86.1
≥ 2000	40.7	68.1	71.9	73.9	79.0	79.0	82.9	83.9	83.9	84.6	84.6	84.6	85.5	85.5	86.1	86.8
≥ 1800	40.7	68.4	72.3	74.2	79.4	79.4	83.2	84.2	84.2	85.2	85.2	85.2	85.8	85.8	86.5	87.1
≥ 1500	40.7	68.7	73.6	75.8	81.3	81.3	85.2	86.1	86.1	87.1	87.1	87.1	87.7	87.7	88.4	89.1
≥ 1200	40.7	69.7	73.6	75.8	81.6	81.6	85.8	86.8	86.8	87.7	87.7	87.7	88.4	88.4	89.0	89.7
≥ 1000	40.7	70.0	73.9	76.1	81.9	81.9	86.6	88.4	88.4	89.4	89.4	89.4	90.4	90.4	91.0	91.3
≥ 900	40.7	70.0	74.2	76.5	82.3	82.3	87.1	88.7	88.7	89.7	89.7	89.7	90.7	90.7	91.3	91.6
≥ 800	40.7	70.0	74.2	76.5	82.3	82.3	87.4	89.0	89.0	90.0	90.0	90.0	90.7	90.7	91.3	91.9
≥ 700	40.7	70.0	75.2	77.4	83.7	83.7	88.4	89.0	89.0	90.0	90.0	90.0	91.0	91.0	91.6	92.3
≥ 600	40.7	70.0	75.2	77.7	83.9	83.9	89.0	90.7	90.7	91.0	91.0	91.0	91.6	91.6	92.3	92.9
≥ 500	40.7	70.0	75.5	78.1	84.2	84.2	89.4	91.6	91.6	92.6	92.6	92.6	93.2	93.2	93.9	94.5
≥ 400	40.7	70.0	75.5	78.1	84.2	84.2	89.4	91.6	91.6	92.6	92.6	92.6	93.2	93.2	93.6	94.2
≥ 300	40.7	70.0	75.5	78.1	84.2	84.2	89.7	91.9	91.9	92.9	92.9	92.9	93.2	93.2	93.9	94.5
≥ 200	40.7	70.0	75.5	78.1	84.2	84.2	89.7	91.9	91.9	92.9	92.9	92.9	93.2	93.2	93.9	94.5
≥ 100	40.7	70.0	75.5	78.1	84.2	84.2	89.7	92.3	92.3	93.2	93.2	93.2	93.6	93.6	94.2	94.5
≥ 0	40.7	70.0	75.5	78.1	84.2	84.2	89.7	92.3	92.3	93.2	93.2	93.2	93.6	93.6	94.2	94.5

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUGO, CALIFORNIA

73-82

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	37.7	64.8	66.5	67.1	71.3	72.6	74.8	75.2	75.2	75.5	75.8	75.5	75.8	75.5	76.3	75.8
≥ 20000	47.3	66.1	67.7	68.4	73.2	73.9	76.1	76.5	76.5	76.6	77.1	77.1	77.1	77.1	77.1	77.1
18000	47.3	66.1	67.7	68.7	73.6	74.2	76.5	76.8	76.8	77.1	77.4	77.4	77.4	77.4	77.4	77.4
16000	47.3	66.1	67.7	68.7	73.6	74.2	76.5	76.8	76.8	77.1	77.4	77.4	77.4	77.4	77.4	77.4
14000	47.3	66.1	67.7	68.7	73.6	74.2	76.5	76.8	76.8	77.1	77.4	77.4	77.4	77.4	77.4	77.4
12000	47.3	66.1	67.7	68.7	73.6	74.2	76.5	76.8	76.8	77.1	77.4	77.4	77.4	77.4	77.4	77.4
10000	47.3	66.8	68.4	69.4	74.2	74.8	77.4	77.7	77.7	78.4	78.7	78.7	78.7	78.7	78.7	78.7
9000	47.3	66.8	68.4	69.4	74.2	74.8	77.4	77.7	77.7	78.4	78.7	78.7	78.7	78.7	78.7	78.7
8000	47.3	67.7	69.4	70.3	75.2	75.8	78.4	78.7	78.7	79.4	79.7	79.7	79.7	79.7	79.7	79.7
7000	47.3	68.1	69.7	70.7	75.5	76.1	78.7	79.1	79.1	79.7	80.3	80.3	80.3	80.3	80.3	80.3
6000	47.3	68.4	70.7	71.6	75.8	76.5	79.1	79.4	79.4	80.0	80.3	80.3	80.3	80.3	80.3	80.3
5000	47.3	68.4	70.7	71.6	75.9	76.5	79.1	79.4	79.4	80.0	80.3	80.3	80.3	80.3	80.3	80.3
4500	47.3	68.4	70.7	71.6	76.5	77.1	79.7	80.0	80.0	80.7	81.1	81.1	81.1	81.1	81.1	81.1
4000	47.3	68.4	70.7	71.6	76.5	77.1	79.7	80.0	80.0	80.7	81.1	81.1	81.1	81.1	81.1	81.1
3500	47.3	68.4	70.7	71.6	76.5	77.1	79.7	80.0	80.0	80.7	81.1	81.1	81.1	81.1	81.1	81.1
3000	47.3	68.4	70.7	71.6	76.5	77.1	79.7	80.0	80.0	80.7	81.1	81.1	81.1	81.1	81.1	81.1
2500	47.3	68.4	70.7	71.6	76.5	77.1	79.7	80.0	80.0	80.7	81.1	81.1	81.1	81.1	81.1	81.1
2000	47.3	68.4	70.7	71.6	76.5	77.1	79.7	80.0	80.0	80.7	81.1	81.1	81.1	81.1	81.1	81.1
1800	47.3	68.4	70.7	71.6	76.5	77.1	79.7	80.0	80.0	80.7	81.1	81.1	81.1	81.1	81.1	81.1
1500	47.3	68.4	70.7	71.6	76.5	77.1	79.7	80.0	80.0	80.7	81.1	81.1	81.1	81.1	81.1	81.1
1200	47.3	68.4	70.7	71.6	76.5	77.1	79.7	80.0	80.0	80.7	81.1	81.1	81.1	81.1	81.1	81.1
1000	47.3	68.4	70.7	71.6	76.5	77.1	79.7	80.0	80.0	80.7	81.1	81.1	81.1	81.1	81.1	81.1
900	47.3	68.4	70.7	71.6	76.5	77.1	79.7	80.0	80.0	80.7	81.1	81.1	81.1	81.1	81.1	81.1
800	47.3	68.4	70.7	71.6	76.5	77.1	79.7	80.0	80.0	80.7	81.1	81.1	81.1	81.1	81.1	81.1
700	47.3	68.4	70.7	71.6	76.5	77.1	79.7	80.0	80.0	80.7	81.1	81.1	81.1	81.1	81.1	81.1
600	47.3	68.4	70.7	71.6	76.5	77.1	79.7	80.0	80.0	80.7	81.1	81.1	81.1	81.1	81.1	81.1
500	47.3	68.4	70.7	71.6	76.5	77.1	79.7	80.0	80.0	80.7	81.1	81.1	81.1	81.1	81.1	81.1
400	47.3	68.4	70.7	71.6	76.5	77.1	79.7	80.0	80.0	80.7	81.1	81.1	81.1	81.1	81.1	81.1
300	47.3	68.4	70.7	71.6	76.5	77.1	79.7	80.0	80.0	80.7	81.1	81.1	81.1	81.1	81.1	81.1
200	47.3	68.4	70.7	71.6	76.5	77.1	79.7	80.0	80.0	80.7	81.1	81.1	81.1	81.1	81.1	81.1
100	47.3	68.4	70.7	71.6	76.5	77.1	79.7	80.0	80.0	80.7	81.1	81.1	81.1	81.1	81.1	81.1
0	47.3	68.4	70.7	71.6	76.5	77.1	79.7	80.0	80.0	80.7	81.1	81.1	81.1	81.1	81.1	81.1

TOTAL NUMBER OF OBSERVATIONS

11

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

POINT MUD, CALIFORNIA

73-22

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	6.5	6.3	6.2	6.0	5.8	70.0	71.0	71.9	71.9	72.9	72.9	72.9	72.9	73.6	73.6	73.9
≥ 20000	4.5	6.3	6.7	6.8	7.3	72.3	73.2	74.5	74.8	75.8	75.8	75.8	75.8	76.5	76.5	76.8
IV 18000	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 16000	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 14000	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 12000	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 10000	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 9000	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 8000	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 7000	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 6000	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 5000	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 4500	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 4000	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 3500	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 3000	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 2500	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 2000	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 1800	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 1500	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 1200	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 1000	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 900	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 800	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 700	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 600	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 500	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 400	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 300	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 200	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 100	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4
IV 0	4.5	6.4	6.7	6.8	7.1	72.9	73.9	75.2	75.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4

TOTAL NUMBER OF OBSERVATIONS

51

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUD, CALIFORNIA

76-82

STATION

STATION NAME

YEARS

MOON

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
≥ 20000	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 18000	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 16000	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 14000	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 12000	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 10000	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 9000	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 8000	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 7000	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 6000	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 5000	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 4500	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 4000	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 3500	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 3000	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 2500	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 2000	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 1800	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 1500	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 1200	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 1000	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 900	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 800	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 700	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 600	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 500	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 400	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 300	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 200	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 100	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1
IV 0	48.8	55.4	55.1	67.0	69.3	69.9	71.8	72.2	72.5	72.5	73.2	73.0	74.1	74.2	74.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT PUECO, CALIFORNIA

11-72

200

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)1
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.4	51.0	62.0	64.5	67.4	69.4	71.7	71.3	71.6	72.0	73.2	73.2	73.2	73.2	73.2	73.2
IV 20000	42.4	51.0	62.0	64.5	67.4	69.4	71.7	71.3	71.6	72.0	73.2	73.2	73.2	73.2	73.2	73.2
IV 18000	47.7	51.0	64.7	71.0	74.3	77.4	78.7	80.7	81.1	82.3	82.6	82.6	82.6	82.6	82.6	82.6
IV 16000	47.7	51.0	64.7	71.0	75.2	77.7	79.0	81.1	81.3	82.6	82.9	82.9	82.9	82.9	82.9	82.9
IV 14000	47.7	51.0	70.7	72.0	76.8	79.4	80.7	82.6	82.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5
IV 12000	47.7	51.0	70.7	72.0	76.8	79.4	81.0	82.7	83.2	84.5	84.8	84.8	84.8	84.8	84.8	84.8
IV 10000	47.7	51.0	72.3	74.5	78.4	81.3	82.6	84.5	84.8	86.1	86.5	86.5	86.5	86.5	86.5	86.5
IV 9000	47.7	51.0	72.3	74.5	78.4	81.6	82.9	84.8	85.2	86.5	86.8	86.8	86.8	86.8	86.8	86.8
IV 8000	47.7	54.5	73.2	75.5	79.4	82.3	83.6	85.5	85.9	87.1	87.4	87.4	87.4	87.4	87.4	87.4
IV 7000	47.7	54.5	73.6	75.5	79.7	82.6	83.9	85.8	86.1	87.4	87.7	87.7	87.7	87.7	87.7	87.7
IV 6000	47.7	55.2	73.9	76.5	80.3	82.9	84.2	86.1	86.5	87.7	88.1	88.1	88.1	88.1	88.1	88.1
IV 5000	47.7	55.2	74.2	76.5	80.3	83.2	84.5	86.5	86.8	88.1	88.4	88.4	88.4	88.4	88.4	88.4
IV 4500	47.7	55.8	74.5	76.5	80.7	83.6	84.8	86.8	87.1	88.4	88.7	88.7	88.7	88.7	88.7	88.7
IV 4000	47.7	56.1	74.8	77.1	81.0	83.9	85.2	87.1	87.4	88.7	89.0	89.0	89.0	89.0	89.0	89.0
IV 3500	47.7	56.5	75.2	77.4	81.3	84.2	85.5	87.4	87.7	89.0	89.4	89.4	89.4	89.4	89.4	89.4
IV 3000	47.7	56.5	75.2	77.7	81.6	84.5	85.8	87.7	88.1	89.4	89.7	89.7	89.7	89.7	89.7	89.7
IV 2500	47.7	56.8	75.8	79.1	82.9	85.8	87.4	89.4	89.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3
IV 2000	47.7	56.8	75.8	79.1	82.9	85.8	87.7	89.7	90.1	91.3	91.6	91.6	91.6	91.6	91.6	91.6
IV 1800	47.7	56.8	75.8	79.4	82.9	85.8	87.7	89.7	90.1	91.3	91.6	91.6	91.6	91.6	91.6	91.6
IV 1500	47.7	57.1	76.5	79.7	84.2	87.4	89.7	91.6	91.9	93.2	93.6	93.6	93.6	93.6	93.6	93.6
IV 1200	47.7	57.1	77.1	80.3	85.2	88.4	90.7	92.6	92.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5
IV 1000	47.7	57.1	77.4	81.0	85.3	89.1	91.3	93.6	93.9	95.2	95.5	95.5	95.5	95.5	95.5	95.5
IV 900	47.7	57.1	77.4	81.0	85.3	89.1	91.3	93.6	93.9	95.2	95.5	95.5	95.5	95.5	95.5	95.5
IV 800	47.7	57.1	77.7	81.3	86.1	89.4	91.6	93.9	94.2	95.5	95.8	95.8	95.8	95.8	95.8	95.8
IV 700	47.7	57.7	78.1	81.6	86.5	90.0	92.9	95.5	95.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4
IV 600	47.7	57.7	78.1	81.6	86.5	90.0	92.9	95.5	95.8	97.1	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	47.7	57.7	78.1	81.6	86.5	90.0	92.9	95.5	95.8	97.7	98.4	98.4	98.4	98.4	98.4	98.4
IV 400	47.7	57.7	78.1	81.6	86.8	90.3	93.2	96.5	96.8	98.4	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	47.7	57.7	78.1	81.6	86.8	90.3	93.2	96.5	96.8	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	47.7	57.7	78.1	81.6	86.8	90.3	93.2	96.5	96.8	99.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	47.7	57.7	78.1	81.6	86.8	90.3	93.2	96.5	96.8	99.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	47.7	57.7	78.1	81.6	86.8	90.3	93.2	96.5	96.8	99.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

11.1

DIRNAVOCEANMET SMOS

5/63 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

CEILING VERSUS VISIBILITY

PACIFIC HULL, CALIFORNIA

12-82

DLC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)30
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	43.4	51.9	62.8	65.1	68.1	69.6	71.2	71.2	71.2	71.8	71.8	71.8	71.8	71.8	71.8	72.2
≥ 20000	46.3	53.1	67.6	71.2	74.4	76.7	78.6	78.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	80.6
IV 18000	46.6	63.8	68.3	71.8	75.4	77.7	79.6	79.6	79.6	81.3	81.3	81.3	81.3	81.3	81.3	81.6
IV 16000	45.6	63.8	68.3	71.8	75.4	77.7	79.6	79.6	79.6	81.3	81.3	81.3	81.3	81.3	81.3	81.6
IV 14000	45.6	64.1	68.1	72.5	76.1	78.3	80.3	80.3	80.3	80.9	80.9	80.9	81.2	81.2	81.2	81.2
IV 12000	47.3	65.1	69.6	74.1	77.7	80.3	82.5	82.5	82.5	83.2	83.2	83.2	83.5	83.5	83.5	84.5
IV 10000	47.3	65.7	71.8	75.4	78.6	81.2	83.5	83.5	83.5	84.1	84.1	84.1	84.5	84.5	84.5	85.4
IV 9000	47.3	65.7	71.8	75.4	78.6	81.2	83.5	83.5	83.5	84.1	84.1	84.1	84.5	84.5	84.5	85.4
IV 8000	47.3	67.1	71.8	76.7	80.3	82.9	85.1	85.1	85.1	85.8	85.8	85.8	86.1	86.1	86.1	87.1
IV 7000	47.3	67.1	71.8	76.7	80.3	82.9	85.1	85.1	85.1	85.8	85.8	85.8	86.1	86.1	86.1	87.1
IV 6000	47.3	67.3	72.8	77.1	80.6	83.2	85.4	85.4	85.4	86.1	86.1	86.1	86.4	86.4	86.4	87.4
IV 5000	47.3	67.3	72.8	77.1	80.6	83.2	85.4	85.4	85.4	86.1	86.1	86.1	86.4	86.4	86.4	87.4
IV 4500	47.3	67.6	72.8	77.7	81.2	83.8	86.1	86.1	86.1	86.7	86.7	86.7	87.1	87.1	87.1	88.1
IV 4000	47.3	67.6	72.8	77.7	81.2	83.8	86.1	86.1	86.1	86.7	86.7	86.7	87.1	87.1	87.1	88.1
IV 3500	47.3	67.6	72.8	77.7	81.2	83.8	86.1	86.1	86.1	86.7	86.7	86.7	87.1	87.1	87.1	88.1
IV 3000	47.3	67.6	72.8	77.7	81.2	83.8	86.1	86.1	86.1	86.7	86.7	86.7	87.1	87.1	87.1	88.1
IV 2500	47.3	67.6	72.8	77.7	81.2	83.8	86.1	86.1	86.1	86.7	86.7	86.7	87.1	87.1	87.1	88.1
IV 2000	47.3	67.6	72.8	77.7	81.2	83.8	86.1	86.1	86.1	86.7	86.7	86.7	87.1	87.1	87.1	88.1
IV 1800	47.3	67.6	72.8	77.7	81.2	83.8	86.1	86.1	86.1	86.7	86.7	86.7	87.1	87.1	87.1	88.1
IV 1500	47.3	67.6	72.8	77.7	81.2	83.8	86.1	86.1	86.1	86.7	86.7	86.7	87.1	87.1	87.1	88.1
IV 1200	47.3	67.6	72.8	77.7	81.2	83.8	86.1	86.1	86.1	86.7	86.7	86.7	87.1	87.1	87.1	88.1
IV 1000	47.3	67.6	72.8	77.7	81.2	83.8	86.1	86.1	86.1	86.7	86.7	86.7	87.1	87.1	87.1	88.1
IV 900	47.3	67.6	72.8	77.7	81.2	83.8	86.1	86.1	86.1	86.7	86.7	86.7	87.1	87.1	87.1	88.1
IV 800	47.3	67.6	72.8	77.7	81.2	83.8	86.1	86.1	86.1	86.7	86.7	86.7	87.1	87.1	87.1	88.1
IV 700	47.3	67.6	72.8	77.7	81.2	83.8	86.1	86.1	86.1	86.7	86.7	86.7	87.1	87.1	87.1	88.1
IV 600	47.3	67.6	72.8	77.7	81.2	83.8	86.1	86.1	86.1	86.7	86.7	86.7	87.1	87.1	87.1	88.1
IV 500	47.3	67.6	72.8	77.7	81.2	83.8	86.1	86.1	86.1	86.7	86.7	86.7	87.1	87.1	87.1	88.1
IV 400	47.3	67.6	72.8	77.7	81.2	83.8	86.1	86.1	86.1	86.7	86.7	86.7	87.1	87.1	87.1	88.1
IV 300	47.3	67.6	72.8	77.7	81.2	83.8	86.1	86.1	86.1	86.7	86.7	86.7	87.1	87.1	87.1	88.1
IV 200	47.3	67.6	72.8	77.7	81.2	83.8	86.1	86.1	86.1	86.7	86.7	86.7	87.1	87.1	87.1	88.1
IV 100	47.3	67.6	72.8	77.7	81.2	83.8	86.1	86.1	86.1	86.7	86.7	86.7	87.1	87.1	87.1	88.1
IV 0	47.3	67.6	72.8	77.7	81.2	83.8	86.1	86.1	86.1	86.7	86.7	86.7	87.1	87.1	87.1	88.1

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

POINT MUGG, CALIFORNIA

77-82

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.0	63.1	69.0	67.0	72.8	74.1	76.4	76.7	76.7	77.4	77.7	77.7	75.3	78.3	79.6	78.6
≥ 20000	44.0	64.4	69.3	71.0	74.4	76.1	79.3	79.9	79.9	80.6	80.6	81.2	81.6	81.6	82.2	82.9
IV 18000	44.0	64.7	69.6	72.2	75.1	76.7	79.9	80.6	80.6	81.2	81.6	81.6	82.2	82.2	82.5	82.9
IV 16000	44.0	64.7	69.6	72.2	75.1	76.7	79.9	80.6	80.6	81.2	81.6	81.6	82.2	82.2	82.5	82.9
IV 14000	44.7	65.4	70.2	72.8	75.7	77.4	80.6	81.2	81.2	81.2	82.2	82.2	82.9	82.9	83.2	83.5
IV 12000	45.0	66.0	70.9	73.5	77.7	78.6	81.9	82.5	82.5	83.2	83.5	83.5	84.1	84.1	84.5	84.8
IV 10000	45.0	66.7	71.5	74.1	77.7	79.3	82.5	83.2	83.2	83.8	84.1	84.1	84.8	84.8	85.1	85.4
IV 9000	45.0	66.7	71.5	74.1	77.7	79.3	82.5	83.2	83.2	83.8	84.1	84.1	84.8	84.8	85.1	85.4
IV 8000	45.0	67.6	72.8	75.4	79.0	80.6	83.8	84.5	84.5	85.1	85.4	85.4	86.1	86.1	86.4	86.7
IV 7000	45.3	68.0	73.1	75.7	79.3	80.9	84.1	84.8	84.8	85.4	85.4	85.8	86.4	86.4	86.7	87.1
IV 6000	45.3	68.0	73.1	75.7	79.3	80.9	84.1	84.8	84.8	85.4	85.4	85.8	86.4	86.4	86.7	87.1
IV 5000	45.3	68.0	73.1	75.7	79.3	80.9	84.1	84.8	84.8	85.4	85.4	85.8	86.4	86.4	86.7	87.1
IV 4500	45.3	68.0	73.1	75.7	79.3	80.9	84.1	84.8	84.8	85.4	85.4	85.8	86.4	86.4	86.7	87.1
IV 4000	45.3	68.0	73.1	75.7	79.3	80.9	84.1	84.8	84.8	85.4	85.4	85.8	86.4	86.4	86.7	87.1
IV 3500	45.3	68.0	73.1	75.7	79.3	80.9	84.1	84.8	84.8	85.4	85.4	85.8	86.4	86.4	86.7	87.1
IV 3000	45.3	68.0	73.1	75.7	79.3	80.9	84.1	84.8	84.8	85.4	85.4	85.8	86.4	86.4	86.7	87.1
IV 2500	45.3	68.0	73.1	75.7	79.3	80.9	84.1	84.8	84.8	85.4	85.4	85.8	86.4	86.4	86.7	87.1
IV 2000	45.3	68.0	73.1	75.7	79.3	80.9	84.1	84.8	84.8	85.4	85.4	85.8	86.4	86.4	86.7	87.1
IV 1800	45.3	68.0	73.1	75.7	79.3	80.9	84.1	84.8	84.8	85.4	85.4	85.8	86.4	86.4	86.7	87.1
IV 1500	45.3	68.0	73.1	75.7	79.3	80.9	84.1	84.8	84.8	85.4	85.4	85.8	86.4	86.4	86.7	87.1
IV 1200	45.3	68.0	73.1	75.7	79.3	80.9	84.1	84.8	84.8	85.4	85.4	85.8	86.4	86.4	86.7	87.1
IV 1000	45.3	68.0	73.1	75.7	79.3	80.9	84.1	84.8	84.8	85.4	85.4	85.8	86.4	86.4	86.7	87.1
IV 900	45.3	68.0	73.1	75.7	79.3	80.9	84.1	84.8	84.8	85.4	85.4	85.8	86.4	86.4	86.7	87.1
IV 800	45.3	68.0	73.1	75.7	79.3	80.9	84.1	84.8	84.8	85.4	85.4	85.8	86.4	86.4	86.7	87.1
IV 700	45.3	68.0	73.1	75.7	79.3	80.9	84.1	84.8	84.8	85.4	85.4	85.8	86.4	86.4	86.7	87.1
IV 600	45.3	68.0	73.1	75.7	79.3	80.9	84.1	84.8	84.8	85.4	85.4	85.8	86.4	86.4	86.7	87.1
IV 500	45.3	68.0	73.1	75.7	79.3	80.9	84.1	84.8	84.8	85.4	85.4	85.8	86.4	86.4	86.7	87.1
IV 400	45.3	68.0	73.1	75.7	79.3	80.9	84.1	84.8	84.8	85.4	85.4	85.8	86.4	86.4	86.7	87.1
IV 300	45.3	68.0	73.1	75.7	79.3	80.9	84.1	84.8	84.8	85.4	85.4	85.8	86.4	86.4	86.7	87.1
IV 200	45.3	68.0	73.1	75.7	79.3	80.9	84.1	84.8	84.8	85.4	85.4	85.8	86.4	86.4	86.7	87.1
IV 100	45.3	68.0	73.1	75.7	79.3	80.9	84.1	84.8	84.8	85.4	85.4	85.8	86.4	86.4	86.7	87.1
IV 0	45.3	68.0	73.1	75.7	79.3	80.9	84.1	84.8	84.8	85.4	85.4	85.8	86.4	86.4	86.7	87.1

TOTAL NUMBER OF OBSERVATIONS 319

DIFINAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGU, CALIFORNIA

STATION NAME

73-82

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)32
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	37.2	57.9	63.8	66.5	69.6	69.6	72.8	74.1	74.1	75.1	76.1	76.1	76.4	76.4	76.4	77.1
≥ 20000	4.8	62.8	66.7	68.9	72.5	72.5	76.1	77.4	77.4	79.1	79.9	79.9	80.3	80.3	80.3	81.9
IV 18000	47.1	62.8	66.7	69.3	72.8	72.8	76.4	77.7	77.7	79.3	80.3	80.3	80.6	80.6	80.6	81.2
IV 16000	47.1	63.1	67.0	69.6	73.1	73.1	76.7	78.0	78.3	79.6	80.6	80.6	80.9	80.9	80.9	81.6
IV 14000	41.1	63.4	67.3	69.9	73.5	73.5	77.0	78.3	78.3	79.9	80.9	80.9	81.2	81.2	81.2	81.9
IV 12000	41.1	63.8	67.6	7.2	73.8	73.8	77.4	78.6	78.6	80.3	81.2	81.2	81.6	81.6	81.6	82.2
IV 10000	41.8	64.7	68.6	71.5	75.1	75.1	79.0	80.3	80.3	81.9	82.9	82.9	83.2	83.2	83.2	83.9
IV 9000	41.4	64.7	68.6	71.5	75.1	75.1	79.0	80.3	80.3	81.9	82.9	82.9	83.2	83.2	83.2	83.9
IV 8000	42.1	66.3	70.2	73.1	76.7	76.7	80.6	81.9	81.9	83.5	84.5	84.5	84.8	84.8	84.8	85.4
IV 7000	42.1	66.3	70.2	73.1	76.7	76.7	80.6	81.9	81.9	83.5	84.5	84.5	84.8	84.8	84.8	85.4
IV 6000	42.1	66.3	70.2	73.1	76.7	76.7	80.6	81.9	81.9	83.5	84.5	84.5	84.8	84.8	84.8	85.4
IV 5000	42.1	66.3	70.2	73.1	76.7	76.7	80.6	81.9	81.9	83.5	84.5	84.5	84.8	84.8	84.8	85.4
IV 4500	42.4	66.7	70.6	73.5	77.0	77.0	80.9	82.2	82.2	83.8	84.8	84.8	85.1	85.1	85.1	85.8
IV 4000	42.4	66.7	70.6	73.5	77.0	77.0	80.9	82.2	82.2	83.8	84.8	84.8	85.1	85.1	85.1	85.8
IV 3500	42.4	66.7	70.6	73.5	77.0	77.0	80.9	82.2	82.2	83.8	84.8	84.8	85.1	85.1	85.1	85.8
IV 3000	43.4	66.3	72.2	75.1	78.6	78.6	82.5	83.8	83.8	85.4	86.4	86.4	86.7	86.7	86.7	87.4
IV 2500	43.4	66.3	72.2	75.1	78.6	78.6	82.5	83.8	83.8	85.4	86.4	86.4	86.7	86.7	86.7	87.4
IV 2000	43.4	66.3	72.2	75.1	78.6	78.6	82.5	83.8	83.8	85.4	86.4	86.4	86.7	86.7	86.7	87.4
IV 1800	43.4	66.3	72.2	75.1	78.6	78.6	82.5	83.8	83.8	85.4	86.4	86.4	86.7	86.7	86.7	87.4
IV 1500	43.7	67.3	73.8	77.7	81.2	81.2	85.1	86.4	86.4	88.0	89.3	89.3	89.3	89.3	89.3	90.0
IV 1200	43.7	67.3	74.1	78.3	82.2	82.2	86.1	87.4	87.4	89.0	90.3	90.3	90.3	90.3	90.3	90.9
IV 1000	43.7	67.3	74.1	78.3	82.2	82.2	86.1	87.4	87.4	89.0	90.3	90.3	90.3	90.3	90.3	90.9
IV 900	43.7	67.3	74.1	78.3	82.2	82.2	86.1	87.4	87.4	89.0	90.3	90.3	90.3	90.3	90.3	90.9
IV 800	43.7	67.3	74.1	78.3	82.2	82.2	86.1	87.4	87.4	89.0	90.3	90.3	90.3	90.3	90.3	90.9
IV 700	43.7	67.3	74.1	78.3	82.2	82.2	86.1	87.4	87.4	89.0	90.3	90.3	90.3	90.3	90.3	90.9
IV 600	43.7	67.3	74.1	78.3	82.2	82.2	86.1	87.4	87.4	89.0	90.3	90.3	90.3	90.3	90.3	90.9
IV 500	43.7	67.3	74.1	78.3	82.2	82.2	86.1	87.4	87.4	89.0	90.3	90.3	90.3	90.3	90.3	90.9
IV 400	43.7	67.3	74.1	78.3	82.2	82.2	86.1	87.4	87.4	89.0	90.3	90.3	90.3	90.3	90.3	90.9
IV 300	43.7	67.3	74.1	78.3	82.2	82.2	86.1	87.4	87.4	89.0	90.3	90.3	90.3	90.3	90.3	90.9
IV 200	43.7	67.3	74.1	78.3	82.2	82.2	86.1	87.4	87.4	89.0	90.3	90.3	90.3	90.3	90.3	90.9
IV 100	43.7	67.3	74.1	78.3	82.2	82.2	86.1	87.4	87.4	89.0	90.3	90.3	90.3	90.3	90.3	90.9
IV 0	43.7	67.3	74.1	78.3	82.2	82.2	86.1	87.4	87.4	89.0	90.3	90.3	90.3	90.3	90.3	90.9

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

POINT MUGO, CALIFORNIA

STATION NAME

73-82

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	41.2	63.6	64.6	64.3	60.6	70.6	72.6	73.3	77.3	74.9	74.4	74.4	74.7	74.7	75.1	75.5
≥ 20000	44.1	63.6	65.1	7.0	73.3	74.5	76.6	77.3	77.7	73.5	74.4	74.4	74.7	74.7	75.1	75.5
IV 18000	44.2	63.7	65.3	7.0	73.3	75.1	77.4	78.2	74.3	74.1	74.4	74.4	74.7	74.7	75.1	75.5
IV 16000	44.3	64.1	64.5	7.0	74.1	75.2	77.5	78.4	74.5	74.3	74.7	74.7	74.7	74.7	75.1	75.5
IV 14000	44.5	64.4	64.9	7.0	74.5	75.7	78.7	78.9	74.7	74.6	74.7	74.7	74.7	74.7	75.1	75.5
IV 12000	44.5	64.6	64.9	7.0	75.2	76.5	78.9	79.7	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.5
IV 10000	44.5	64.6	64.9	7.0	76.1	77.3	79.9	80.7	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.5
IV 9000	44.5	65.7	7.0	72.5	76.1	77.4	79.9	80.8	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.5
IV 8000	44.5	65.7	71.2	73.5	77.1	78.4	79.9	81.8	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.5
IV 7000	44.5	65.7	71.3	73.7	77.3	78.6	81.1	82.0	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.5
IV 6000	44.5	65.7	71.5	73.9	77.5	78.8	81.3	82.2	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.5
IV 5000	44.5	67.2	71.8	74.2	77.8	79.1	81.6	82.5	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.5
IV 4500	44.5	67.6	72.3	74.7	78.3	79.6	82.1	83.1	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.5
IV 4000	44.5	67.7	72.5	74.8	78.5	79.8	82.3	83.1	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.5
IV 3500	44.5	67.7	72.6	75.0	78.6	79.9	82.4	83.3	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.5
IV 3000	44.5	67.7	73.1	75.6	79.2	80.5	83.1	84.0	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.5
IV 2500	44.5	67.7	73.6	76.2	79.3	81.3	84.0	84.9	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.5
IV 2000	44.5	67.7	74.2	76.7	8.0	82.1	84.9	85.4	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.5
IV 1800	44.5	67.7	74.4	77.1	81.9	82.4	85.2	86.2	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.5
IV 1500	44.5	67.7	75.7	78.7	82.7	84.4	87.4	88.4	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.5
IV 1200	44.5	67.7	75.9	79.1	83.4	85.0	88.3	89.5	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.5
IV 1000	44.5	67.7	76.3	79.7	84.2	86.0	89.5	90.7	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.5
IV 900	44.5	67.7	76.5	79.9	84.4	86.2	89.7	90.9	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.5
IV 800	44.5	67.7	76.7	80.1	84.7	86.6	90.2	91.4	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.5
IV 700	44.5	67.7	77.0	80.5	85.1	87.1	90.7	92.1	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.5
IV 600	44.5	67.7	77.2	80.6	85.5	87.4	91.1	92.6	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.5
IV 500	44.5	67.7	77.3	80.9	85.6	87.5	91.3	92.9	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.5
IV 400	44.5	67.7	77.3	81.0	85.7	87.6	91.4	93.0	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.5
IV 300	44.5	67.7	77.3	81.0	85.7	87.6	91.5	93.2	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.5
IV 200	44.5	67.7	77.3	81.0	85.7	87.6	91.6	93.3	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.5
IV 100	44.5	67.7	77.3	81.0	85.7	87.6	91.6	93.3	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.5
IV 0	44.5	67.7	77.3	81.0	85.7	87.6	91.6	93.3	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.5

TOTAL NUMBER OF OBSERVATIONS

7476

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1
STATION

POINT HUGS, CALIFORNIA

STATION NAME

73-82

YEARS

ALL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	27.4	51.5	57.5	63.2	62.6	63.2	64.0	64.2	64.2	64.5	64.5	64.5	64.6	64.6	64.7	64.8
≥ 20000	31.4	53.5	59.7	62.8	65.1	65.8	66.6	66.8	66.8	67.1	67.2	67.2	67.3	67.3	67.4	67.5
IV 18000	31.4	53.6	59.9	62.8	65.3	66.1	66.9	67.1	67.1	67.4	67.4	67.4	67.5	67.5	67.6	67.8
IV 16000	30.5	53.7	60.0	62.7	65.4	66.1	66.7	67.2	67.2	67.5	67.5	67.5	67.6	67.6	67.7	67.9
IV 14000	30.7	54.2	60.6	63.3	66.0	66.8	67.6	67.6	67.7	68.1	68.2	68.2	68.3	68.3	68.4	68.6
IV 12000	30.8	54.6	61.0	63.7	66.5	67.3	68.1	68.4	68.4	68.7	68.8	68.8	68.8	68.8	68.9	69.1
IV 10000	31.2	55.1	61.6	64.6	67.2	68.0	68.9	69.1	69.1	69.4	69.5	69.5	69.6	69.6	69.7	69.8
IV 9000	31.2	55.2	61.7	64.7	67.3	68.1	69.0	69.2	69.2	69.5	69.6	69.6	69.7	69.7	69.8	69.9
IV 8000	31.2	55.5	62.1	65.1	67.7	68.5	69.4	69.6	69.7	69.9	70.0	70.0	70.1	70.1	70.2	70.4
IV 7000	31.3	55.7	62.3	65.4	68.7	68.8	69.7	69.9	69.9	70.2	70.3	70.3	70.4	70.4	70.5	70.7
IV 6000	31.4	55.7	62.5	65.6	68.2	69.0	69.9	70.1	70.1	70.4	70.5	70.5	70.6	70.6	70.7	70.9
IV 5000	31.5	56.2	62.9	66.0	68.6	69.4	70.3	70.5	70.6	70.9	70.9	70.9	71.0	71.0	71.1	71.3
IV 4500	31.4	56.8	63.5	66.6	69.3	70.1	71.0	71.2	71.3	71.6	71.6	71.6	71.7	71.7	71.8	72.0
IV 4000	31.9	57.1	63.8	66.9	69.6	70.4	71.3	71.5	71.6	71.9	72.0	72.0	72.0	72.0	72.1	72.3
IV 3500	32.0	57.4	64.1	67.3	70.7	70.8	71.7	71.9	72.0	72.3	72.4	72.4	72.4	72.4	72.5	72.7
IV 3000	32.3	58.1	65.0	68.2	71.0	71.8	72.7	73.0	73.0	73.3	73.4	73.4	73.5	73.5	73.6	73.7
IV 2500	32.6	58.9	66.0	69.3	72.1	73.0	73.9	74.2	74.2	74.5	74.6	74.6	74.7	74.7	74.8	74.9
IV 2000	33.0	59.1	67.6	71.1	74.1	75.0	76.1	76.4	76.4	76.7	76.8	76.8	76.9	76.9	77.0	77.1
IV 1800	33.1	59.3	67.9	71.5	74.5	75.5	76.5	76.8	76.9	77.2	77.3	77.3	77.3	77.3	77.4	77.6
IV 1500	33.2	51.4	69.6	73.6	77.0	78.1	79.4	79.7	79.7	80.1	80.2	80.2	80.3	80.3	80.4	80.5
IV 1200	33.4	61.9	70.4	74.7	78.3	79.6	80.9	81.3	81.3	81.7	81.8	81.8	81.9	81.9	82.0	82.2
IV 1000	33.5	62.7	71.7	76.3	80.6	82.2	83.0	84.3	84.3	84.7	84.8	84.8	84.9	84.9	85.0	85.2
IV 900	33.5	62.8	72.0	76.9	81.1	82.8	84.5	85.0	85.0	85.5	85.6	85.6	85.7	85.7	85.8	86.0
IV 800	33.6	63.3	72.9	78.1	82.9	84.8	86.7	87.3	87.3	87.8	87.9	87.9	88.0	88.0	88.1	88.3
IV 700	33.5	63.5	73.5	79.1	84.2	86.4	88.6	89.3	89.4	89.9	90.1	90.1	90.2	90.2	90.3	90.4
IV 600	33.6	63.7	73.8	79.6	85.7	87.5	90.0	90.9	90.9	91.5	91.7	91.7	91.8	91.8	91.9	92.1
IV 500	33.4	63.8	74.1	80.1	85.7	88.5	91.3	92.3	92.4	93.1	93.3	93.3	93.4	93.5	93.6	93.7
IV 400	33.7	63.9	74.2	80.3	86.7	89.1	92.3	93.5	93.6	94.5	94.7	94.7	94.9	94.9	95.0	95.1
IV 300	33.6	63.9	74.3	80.4	86.7	89.5	93.2	94.6	94.6	95.8	96.2	96.2	96.4	96.4	96.5	96.7
IV 200	33.6	63.9	74.3	80.4	86.6	89.6	93.5	95.1	95.2	96.6	97.1	97.1	97.4	97.4	97.5	97.7
IV 100	33.6	63.9	74.3	80.4	86.6	89.7	93.6	95.2	95.3	96.9	97.5	97.5	98.0	98.0	98.5	98.9
IV 0	33.6	63.9	74.3	80.4	86.6	89.7	93.6	95.2	95.3	96.9	97.5	97.5	98.1	98.1	98.8	99.0

TOTAL NUMBER OF OBSERVATIONS

23176

DIRNAVOCEANMET SMOS

JAN
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10		
JAN.	01	47.2			16.8						13.5	24.5	4.2	310
	02	44.2			19.4						8.7	27.7	4.1	310
	07	32.6			24.5						17.4	25.5	4.9	310
	10	30.3			19.0						23.5	27.1	5.4	310
	15	23.5			25.8						21.6	29.1	5.6	310
	16	24.4			27.4						20.6	27.1	5.4	310
	19	32.3			29.0						14.2	24.5	4.6	310
	22	42.9			21.1						11.9	24.2	4.1	310
TOTALS		34.5			22.9						16.4	26.2	4.9	2480

NAVWEASERVCOM

SKY COVER

5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	01	48.4			22.0						12.4	24.6	4.3	292
	04	44.0			15.6						13.1	27.3	4.4	292
	07	22.0			24.5						20.9	32.6	5.9	292
	10	24.1			21.6						26.2	28.0	5.8	292
	13	27.3			21.6						24.6	26.2	5.5	292
	16	22.3			27.1						19.1	29.4	5.5	292
	19	31.2			24.6						17.5	22.7	4.8	292
	22	36.4			24.5						14.7	23.8	4.5	292
TOTALS		11.1			23.2						18.9	26.9	5.1	2256

NAVWEASERVCOM

SKY COVER

0111 POINT MUGL, CALIFORNIA

73-82

010

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAR	01	41.5			15.6						11.9	25.8	4.1	310
	04	42.7			17.4						13.2	26.5	4.4	310
	07	29.0			21.3						17.4	32.3	5.4	310
	10	25.1			24.5						18.4	29.0	5.3	310
	13	23.2			30.0						22.6	24.2	5.4	310
	16	23.2			33.2						20.6	22.9	5.1	310
	19	31.9			30.0						20.3	17.7	4.5	310
	22	42.3			23.9						13.2	20.6	4.0	310
TOTALS		33.4			24.5						17.2	24.9	4.8	2480

NAVWEASERVCOM

SKY COVER

111
STATIONPOINT MUGU, CALIFORNIA
STATION NAME73-02
PERIODJDD
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
01	01	40.3			18.7						10.3	22.7	3.8	300
	04	50.7			13.3						12.3	23.7	3.9	300
	07	37.7			20.0						14.7	27.7	4.7	300
	10	33.7			26.3						14.3	26.0	4.7	300
	13	24.7			30.7						12.7	21.7	4.4	300
	16	32.3			34.0						15.7	15.0	4.2	300
	19	37.0			25.3						21.7	16.7	4.3	300
	22	50.0			23.3						7.3	19.3	3.3	300
TOTALS		31.6			24.7						13.9	21.6	4.2	2400

NAVWEASERVCOM

SKY COVER

111 POINT HUGO, CALIFORNIA

73-62

-BY

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	01	40.7			14.8						11.7	33.0	4.9	310
	02	33.2			12.3						10.7	44.2	5.7	310
	03	21.3			15.8						14.5	44.4	6.6	310
	04	10.7			27.7						10.6	42.9	6.1	310
	05	21.3			20.4						17.1	32.3	5.6	310
	06	28.1			30.6						16.8	24.5	4.9	310
	07	27.4			30.6						14.5	27.4	5.0	310
	08	44.5			19.7						9.7	26.1	4.1	310
	09													
	10													
	11													
	12													
	13													
	14													
	15													
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	23													
	24													
	25													
	26													
	27													
	28													
	29													
	30													
	31													
	TOTALS	22.3			22.6						13.1	35.0	5.4	2480

NAVWEASERVCOM

4

73-22

6. 2

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL.	01	46.1			10.7						7.4	35.1	4.5	249
	04	32.1			14.0						4.7	45.2	5.7	249
	07	25.1			11.4						16.4	47.2	6.5	299
	10	27.9			13.1						14.4	39.8	5.8	279
	13	36.5			20.4						15.1	29.1	4.8	209
	16	41.1			24.4						11.4	23.1	4.1	209
	19	41.0			25.1						10.0	23.1	4.0	209
	22	52.7			15.1						7.7	24.5	3.6	201
TOTALS		31.0			17.4						11.4	33.3	4.9	2321

NAVWEASERVCOM

SKY COVER

 1111 POINT MUGU, CALIFORNIA
 STATION STATION NAME

77-82

PERIOD

JUL

MONTH

 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUL	01	43.5			14.8						6.7	34.2	4.5	315
	02	53.2			11.9						7.1	47.7	5.3	315
	03	21.7			12.6						11.6	54.5	5.9	315
	04	24.8			20.0						16.2	38.8	5.9	315
	05	31.3			25.5						21.9	21.3	4.9	315
	06	39.7			32.6						14.5	13.2	3.6	315
	07	47.1			24.8						11.9	16.1	3.4	315
	08	51.5			15.2						6.1	22.3	2.2	315
	09													
	10													
	11													
	12													
	13													
	14													
	15													
	16													
	17													
	18													
	19													
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	21													
	22													
	23													
	24													
	25													
	26													
	27													
	28													
	29													
	30													
	31													
	TOTALS	37.2			19.7						12.1	31.7	4.8	2495

NAVWEASERVCOM

PERIOD

MONTH

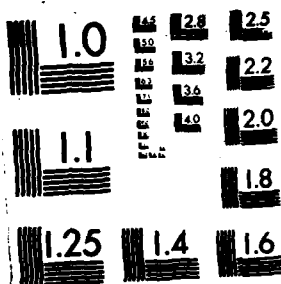
MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
April	01	36.5			11.3						6.4	43.8	7.4	110
	04	28.0			9.7						9.7	52.3	6.3	111
	07	18.1			13.5						11.0	56.3	7.1	117
	10	26.1			23.5						15.5	34.9	6.6	115
	13	30.3			34.5						14.7	21.0	4.4	110
	16	33.5			37.7						14.5	14.3	7.9	111
	19	36.7			29.4						11.3	22.6	6.2	111
	22	43.5			16.5						8.4	31.6	4.4	110
TOTALS		31.0			22.0						11.6	34.6	5.7	2441

NAVWEASERVCOM

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

SKY COVER

91111
STATION

POINT MUGU, CALIFORNIA
STATION NAME

73-A2
PERIOD

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
SEP	01	37.0			14.3						7.7	41.0	5.2	300
	04	32.7			11.3						7.7	48.3	5.9	300
	07	18.3			15.7						15.0	51.0	6.9	300
	10	25.0			20.0						16.0	39.0	5.9	300
	13	32.3			22.7						17.7	27.3	5.0	300
	16	28.3			31.3						18.3	22.0	4.8	300
	19	39.3			21.3						10.0	29.3	4.5	300
	22	41.7			17.3						8.0	33.0	4.5	300
TOTALS		31.8			19.2						12.6	36.4	5.3	2400

NAVWEASERVCOM

SKY COVER

9111 POINT MUGO, CALIFORNIA

73-82

007

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
CCT	01	42.6			16.1						10.0	31.3	4.5	310
	04	39.4			14.2						11.9	34.5	5.0	310
	07	30.6			21.0						13.9	34.5	5.3	310
	10	30.0			27.1						19.0	23.9	4.9	310
	13	34.2			31.9						17.4	16.5	4.2	310
	16	34.0			32.4						17.2	16.5	4.2	309
	19	41.3			23.2						14.8	20.6	4.1	310
	22	47.4			12.9						10.6	29.0	4.2	310
TOTALS		37.4			22.4						14.4	25.9	4.6	2479

NAVWEASERVCOM

SKY COVER

95111 POINT MUGU, CALIFORNIA

73-82

NOV

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
NOV	01	51.7			16.0						13.7	18.7	3.6	300
	04	53.7			17.3						10.0	19.0	3.3	300
	07	36.0			25.0						21.3	17.7	4.4	300
	10	32.7			30.7						20.3	16.3	4.4	300
	13	30.3			32.3						22.7	14.7	4.5	300
	16	31.0			30.3						25.0	13.7	4.5	300
	19	38.7			34.0						14.3	13.0	3.6	300
	22	49.0			24.0						10.3	16.7	3.3	300
TOTALS		40.4			26.2						17.2	16.2	4.0	2400

NAVWEASERVCOM

SKY COVER

0111 POINT MUGU, CALIFORNIA

73-82

DEC

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
DEC	01	47.1			21.6						11.3	20.0	3.7	310
	04	49.0			21.0						10.6	19.6	3.5	310
	07	30.3			32.6						16.8	20.3	4.5	310
	10	33.9			27.1						18.1	21.0	4.5	310
	13	33.5			26.1						21.6	18.7	4.6	310
	16	33.3			24.6						21.0	21.0	4.7	309
	19	34.2			32.7						11.7	17.5	3.8	309
	22	43.7			27.8						9.7	18.8	3.6	309
TOTALS		38.6			26.7						15.1	19.6	4.1	2477

NAYWEASERVCOM

SKY COVER

92111

POINT MUGU, CALIFORNIA

73-82

ALL

STATION

STATION NAME

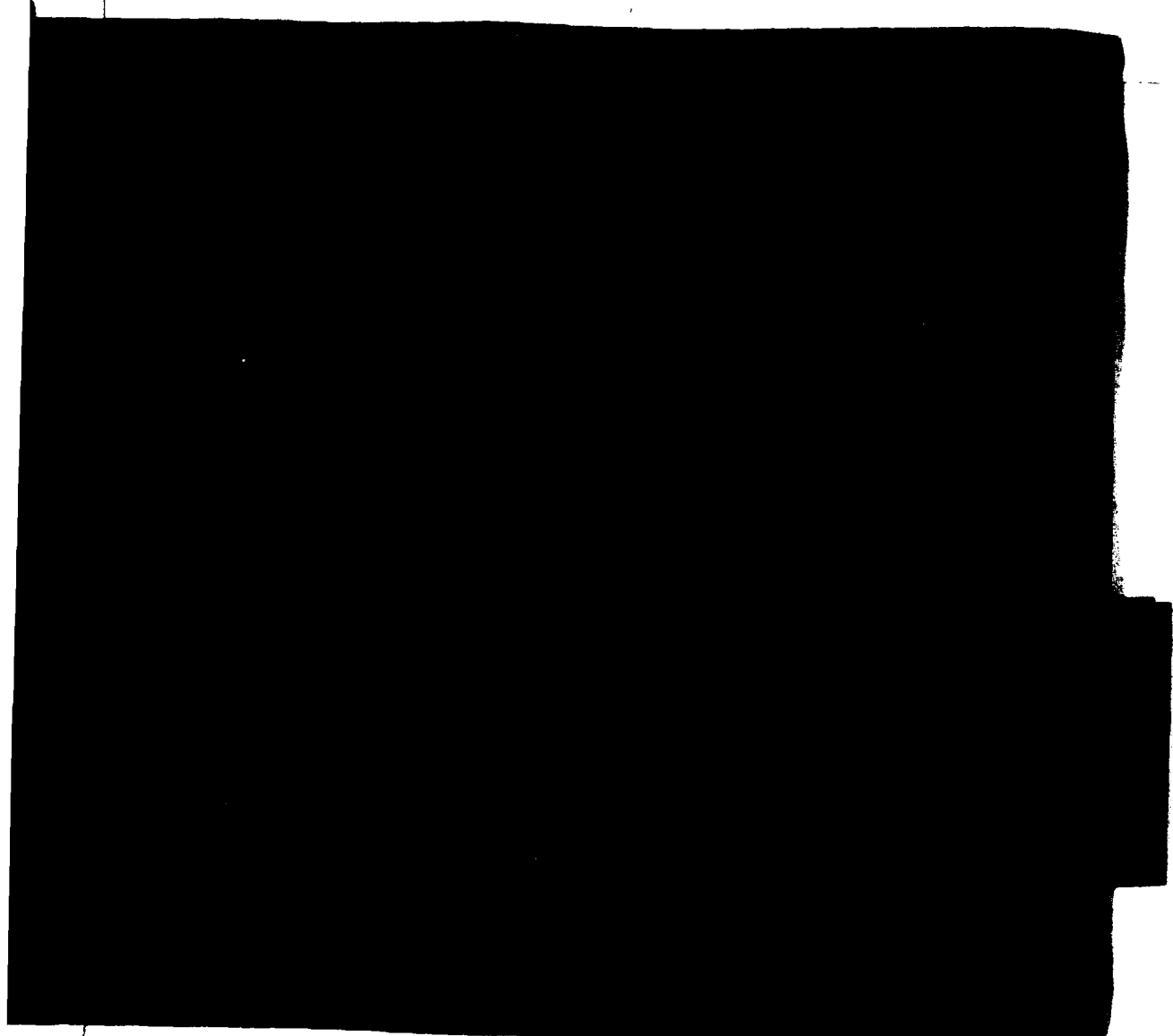
PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	34.5			22.9						16.4	26.2	4.8	2480
FEB		31.1			23.2						18.9	26.9	5.1	2256
MAR		33.4			24.5						17.2	24.9	4.8	2480
APR		39.8			24.7						13.9	21.6	4.2	2400
MAY		29.3			22.6						13.1	39.0	5.4	2490
JUN		32.0			17.4						11.4	33.3	4.9	2391
JUL		37.2			19.7						12.1	31.3	4.8	2480
AUG		31.8			22.0						11.6	34.6	5.2	2490
SEP		31.4			19.2						12.6	36.4	5.3	2400
OCT		37.4			22.4						14.4	25.9	4.6	2479
NOV		40.4			26.2						17.2	16.2	4.0	2400
DEC		34.6			26.7						15.1	19.6	4.1	2477
TOTALS		35.3			22.6						14.5	27.6	4.8	29203

NAYWEASERVCOM



NOCD, Federal Building
Asheville, N. C.

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σx). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

DAILY TEMPERATURES

STATION

POINT MUGU, CALIFORNIA

STATION NAME

60-87

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
2						.1			.2	.6			.1
3				.5	.3	.8		.1	1.1	1.4	.1		.1
4					.6	.9			1.2	3.8	.3		.4
5	1.2	.5	.3	1.8	.8	2.1	.3	.4	5.7	6.7	2.4	1.0	1.2
6	4.2	1.3	1.7	3.9	2.3	2.7	1.6	3.3	10.8	11.4	8.2	3.5	4.8
7	9.8	9.0	4.1	5.3	3.7	5.4	12.2	31.8	29.8	20.7	16.8	9.4	13.2
8	18.5	18.6	10.0	11.9	12.2	31.3	63.4	87.9	76.7	55.7	31.3	18.8	36.5
9	35.8	37.7	25.9	40.2	56.3	75.4	98.6	99.6	99.1	93.6	63.6	41.6	64.9
10	71.3	76.9	74.1	87.1	98.6	100.0	100.0	100.0	100.0	99.9	95.5	77.2	90.1
11	95.1	99.1	99.1	99.4	100.0					100.0	99.9	96.4	99.1
12	99.7	99.8	100.0	100.0							100.0	99.3	99.9
13	100.0	100.0										100.0	100.0
14													
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100													
MEAN	63.7	64.2	62.9	64.5	65.7	67.5	70.4	73.1	73.3	71.8	67.9	64.2	67.5
S.D.	7.329	6.495	5.176	5.914	4.535	4.714	3.456	3.399	5.755	6.940	6.750	6.867	6.550
TOTAL OBS.	63	636	702	665	707	670	696	705	665	704	674	693	8710

NAVWEASERVCOM

DAILY TEMPERATURES

STATION

PEIRIS MUGU, CALIFORNIA
STATION NAME

64-82

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

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NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

POINT MUGU, CALIFORNIA

1960-1982

JANUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	51.5	10.8	61.5	16.4	71	21.7	1972	41.5	5.3	31	-0.6	1971
2	52.6	11.4	63.2	17.2	79	26.1	1982	42.1	5.6	30	-1.1	1975
3	52.0	11.1	63.2	17.3	79	26.1	1969	42.7	5.9	32	-0.3	1976
4	52.2	11.2	63.0	17.2	84	28.9	1969	41.4	5.2	29	-1.7	1971
5	53.5	11.9	63.9	17.7	82	27.8	1981	43.2	6.2	32	-0.5	1970
6	54.5	12.5	64.7	18.2	77	25.3	1981	44.2	6.8	34	1.1	1968
7	55.2	12.9	64.5	18.1	80	31.1	1962	45.9	7.7	35	2.2	1973
8	53.3	11.8	62.7	17.1	71	21.7	1966	44.0	6.7	31	-0.6	1971
9	53.6	12.0	62.2	16.8	71	23.9	1967	45.0	7.2	34	1.1	1972
10	54.4	12.4	63.2	17.3	81	27.8	1967	45.5	7.5	35	2.2	1972
11	54.7	12.2	62.7	17.1	77	25.3	1961	45.3	7.4	34	3.9	1971*
12	55.1	12.8	63.3	17.4	74	23.3	1975*	46.9	8.3	36	2.2	1963
13	55.7	13.3	65.8	18.8	79	26.1	1975*	46.0	7.8	35	1.7	1963
14	57.3	14.1	67.3	19.6	81	28.3	1975*	47.4	8.6	33	-0.6	1963
15	57.2	14.1	66.4	19.1	85	31.1	1976	48.3	9.1	37	2.8	1964*
16	56.4	13.6	65.4	18.5	91	32.2	1976	47.5	8.6	33	-0.6	1963
17	57.2	14.0	67.0	19.4	82	31.1	1965	47.4	8.6	36	2.2	1963*
18	55.5	13.1	65.3	18.5	83	28.3	1977*	45.8	7.7	35	1.7	1963
19	56.4	13.6	65.4	18.6	86	30.3	1975	47.4	8.6	36	2.2	1970
20	55.6	13.1	64.1	17.8	82	27.8	1976	47.2	8.4	38	3.3	1967*
21	53.3	12.2	62.3	16.7	82	27.8	1976	45.8	7.7	36	2.2	1980*
22	53.3	12.1	62.8	17.1	83	24.3	1968	44.7	7.1	34	1.1	1966
23	53.0	12.2	63.3	17.4	82	27.8	1963	44.5	6.9	35	1.7	1966
24	54.2	12.3	63.9	17.7	76	24.4	1974	44.5	6.9	35	1.7	1966
25	52.2	11.2	60.9	16.1	67	19.4	1977*	43.5	6.4	35	1.7	1966
26	52.5	11.4	62.0	16.7	82	27.8	1971	43.3	6.1	34	1.1	1979
27	54.2	12.3	64.6	18.1	83	28.3	1976	43.6	6.4	34	1.1	1979
28	54.8	12.7	64.2	17.9	87	30.5	1976	45.5	7.5	32	-0.3	1979
29	53.9	12.2	63.7	17.6	81	27.2	1962	44.0	6.7	31	-0.6	1979*
30	52.8	11.6	61.8	16.6	73	23.9	1962	43.8	6.6	34	1.1	1982*
31	52.7	11.6	62.3	16.3	71	25.6	1964	43.8	6.3	35	1.7	1981*
Monthly	54.3	12.4	63.7	17.6	9	32.2	1976	44.9	7.2	29	-1.7	1971

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

POINT MUGU, CALIFORNIA

1960-1982

FEBRUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C	
1	54.1	12.3	63.1	17.3	73	22.8	1980		45.1	7.3	34	1.1	1981
2	55.6	13.1	65.6	18.7	73	25.6	1964		45.6	7.6	39	3.9	1977
3	56.6	13.7	66.7	19.3	83	28.3	1968		46.5	8.1	37	2.8	1982
4	55.5	13.1	65.0	18.3	83	28.3	1968		46.0	7.8	34	1.1	1971
5	54.8	12.7	64.4	18.0	75	23.9	1968*		45.2	7.3	36	2.2	1974
6	54.4	12.7	63.8	17.6	74	25.6	1980		46.0	7.8	35	1.7	1979
7	53.4	11.9	61.7	16.5	69	20.6	1974		45.0	7.2	37	2.8	1979
8	55.0	12.8	63.3	17.4	79	26.1	1964		46.7	8.2	37	2.8	1966
9	55.2	12.9	63.3	17.4	82	27.8	1971		47.2	8.4	35	1.7	1979
10	54.2	12.3	62.8	17.1	80	26.7	1977		45.6	7.6	35	1.7	1980
11	54.6	12.6	63.8	17.7	73	22.8	1976*		45.3	7.4	34	1.1	1980
12	54.8	12.7	64.8	18.2	89	31.7	1971		44.8	7.1	35	1.7	1980
13	54.3	12.4	63.6	17.6	81	27.2	1981		45.1	7.3	34	1.1	1965
14	54.3	12.4	62.8	17.1	74	23.3	1981		45.8	7.7	36	2.2	1966
15	54.2	12.3	63.8	17.7	81	27.2	1981		44.7	7.1	34	1.1	1964
16	54.7	12.6	64.5	18.1	86	30.0	1981		45.0	7.2	32	3.3	1975*
17	54.1	12.3	64.1	17.8	86	30.0	1981		44.1	6.7	36	2.2	1965
18	54.2	12.3	64.0	17.8	80	26.7	1964		44.3	6.8	36	2.2	1975
19	55.6	13.1	65.5	18.6	82	27.8	1964		45.8	7.7	38	3.3	1975
20	56.2	13.4	65.9	18.8	81	27.2	1981		46.5	8.1	39	3.9	1974*
21	56.4	13.6	65.8	18.8	79	26.1	1981*		46.9	8.3	34	1.1	1971
22	56.2	13.4	67.0	19.4	81	27.2	1981*		45.4	7.4	38	3.3	1974*
23	55.7	13.2	66.4	19.1	83	28.3	1963		45.1	7.3	38	3.3	1960
24	55.1	12.8	64.0	17.8	77	25.0	1974		46.2	7.9	39	3.9	1971*
25	53.9	12.2	64.1	17.8	80	26.7	1974		43.8	6.6	35	1.7	1962*
26	53.5	11.9	63.2	17.2	77	25.0	1980		44.0	6.7	38	3.3	1977
27	53.4	11.9	63.2	17.3	80	26.7	1963		43.6	6.4	27	-2.8	1971
28	54.2	12.3	63.4	17.4	79	26.1	1963		45.0	7.2	34	1.1	1962
29	54.5	12.7	62.2	16.8	68	19.9	1980		47.7	8.7	44	6.7	1972
30													
31													
Monthly	54.1	12.7	64.2	17.9	80	31.7	1971		45.4	7.4	27	-2.8	1971

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION POINT MUGU, CALIFORNIA STATION NAME 1960-1982 YEARS MARCH MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	53.7	12.1	62.6	17.0	79	26.1	1961	44.8	7.1	35	1.7	1962
2	53.2	11.7	61.8	16.6	73	21.1	1972*	44.1	6.7	36	2.2	1970*
3	52.4	11.3	62.1	16.7	73	22.8	1972	42.7	5.9	33	.6	1971
4	53.4	11.9	63.0	17.2	81	27.2	1972	43.8	6.6	36	2.2	1976
5	53.4	12.2	62.8	17.1	78	25.6	1979	45.0	7.2	38	3.3	1971*
6	53.2	12.2	62.7	17.1	84	28.9	1979	45.2	7.3	37	2.8	1967
7	53.5	11.9	62.2	16.8	76	24.4	1979	44.9	7.2	36	2.2	1976
8	53.3	11.8	63.8	16.0	66	20.0	1981	45.9	7.7	35	1.7	1964
9	53.3	11.8	61.2	16.2	75	24.4	1981	45.4	7.4	36	2.2	1961
10	53.2	11.8	61.6	16.4	78	25.6	1981	44.9	7.2	37	2.8	1962
11	53.1	11.7	61.6	16.4	73	22.4	1977	44.7	7.1	36	2.2	1962
12	54.0	12.2	61.9	16.6	72	22.2	1976	46.2	7.9	38	3.3	1977*
13	54.2	12.3	62.5	16.9	70	21.1	1975	45.9	7.7	40	4.4	1977
14	53.4	11.9	62.7	17.1	73	22.4	1964	44.1	6.7	35	1.7	1977
15	54.4	12.4	63.4	17.4	82	27.9	1970	45.3	7.4	34	3.3	1977
16	54.6	13.7	65.3	18.5	84	28.9	1978	48.0	8.9	40	4.4	1963
17	55.7	13.2	65.3	18.5	86	30.0	1978	46.1	7.8	39	3.9	1975*
18	55.0	12.8	64.3	17.9	76	24.4	1971	45.8	7.7	36	2.2	1968
19	54.0	12.2	63.0	17.2	76	24.4	1960	45.0	7.2	35	1.7	1982
20	55.0	12.8	64.0	17.8	74	25.6	1963	46.0	7.8	39	3.9	1976
21	54.6	12.6	63.0	17.2	75	23.4	1976	46.1	7.8	39	3.9	1968*
22	55.2	12.9	63.6	17.6	81	27.2	1966	46.9	8.3	35	3.9	1962
23	54.6	12.6	62.5	16.9	76	24.4	1966	46.6	8.1	38	3.3	1962
24	54.6	12.6	63.7	17.6	79	26.1	1969	45.5	7.5	38	3.3	1964
25	55.2	12.9	63.0	17.2	80	26.7	1969	47.3	8.5	37	2.8	1980
26	55.6	13.1	64.0	17.8	84	28.9	1969	47.3	8.5	39	3.9	1980
27	54.7	12.6	63.2	17.3	74	23.3	1970	46.1	7.8	36	2.2	1972
28	54.6	12.6	62.5	16.9	73	22.8	1980	46.7	8.2	36	2.2	1972
29	54.0	12.2	61.7	16.5	68	20.0	1980	46.3	7.9	38	3.3	1975*
30	53.8	12.1	62.2	16.8	68	20.0	1972	45.3	7.4	36	2.2	1967
31	54.7	12.6	63.4	17.4	73	22.8	1972	46.0	7.8	39	3.9	1977
Monthly	54.2	12.3	62.8	17.1	86	30.0	1978	45.6	7.6	33	.6	1971

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

POINT MUGU, CALIFORNIA

1960-1982

APRIL

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	54.8	12.7	63.3	17.4	72	22.2	1960	46.3	7.9	40	4.4	1967
2	55.4	13.0	64.2	17.9	86	30.0	1960	46.7	8.2	36	2.2	1982
3	56.1	13.4	66.3	19.1	83	31.1	1971	45.9	7.7	38	3.3	1980*
4	56.5	13.6	66.0	18.9	87	30.6	1971	47.1	8.4	39	3.9	1980
5	56.2	13.4	65.5	18.6	83	28.3	1981	46.9	8.3	40	4.4	1967
6	55.6	13.1	63.7	17.6	89	31.7	1962	47.5	8.6	39	3.9	1975
7	55.8	13.2	64.6	18.1	77	25.0	1962	46.9	8.3	36	2.2	1975
8	55.7	13.2	64.4	18.0	81	27.2	1980	47.0	8.3	36	2.2	1975
9	56.4	13.6	65.0	18.3	89	31.7	1968	47.8	8.8	41	5.0	1967
10	57.0	13.9	65.5	18.6	89	31.7	1968	48.5	9.2	42	5.6	1975
11	55.3	12.9	64.0	17.8	82	27.8	1980	46.5	8.1	41	5.0	1980*
12	55.7	13.2	63.7	17.6	83	28.3	1980	47.7	8.7	39	3.9	1967
13	56.2	13.4	64.5	18.1	74	23.3	1980	47.9	8.8	43	6.1	1980
14	57.1	13.9	66.0	18.9	95	35.0	1966	48.1	8.9	40	4.4	1972
15	56.7	13.7	65.8	18.8	99	37.2	1966	47.7	8.7	40	4.4	1972
16	55.5	13.1	63.6	17.6	71	21.7	1980	47.3	8.5	38	3.3	1972*
17	55.5	13.1	62.9	17.2	70	21.1	1960	48.1	8.9	39	3.9	1975
18	55.1	12.8	62.5	16.9	69	20.6	1978*	47.7	8.7	37	2.6	1968
19	54.6	12.7	63.5	17.5	75	23.9	1965	46.1	7.8	38	3.3	1979*
20	55.1	12.8	64.5	18.1	73	22.8	1976	45.8	7.7	38	3.3	1972
21	55.3	12.9	64.0	17.8	81	27.2	1973	46.6	8.1	40	4.4	1972
22	55.9	13.3	64.9	18.3	86	30.0	1973	47.0	8.3	38	3.3	1971
23	55.5	13.1	64.3	17.9	77	25.0	1968	46.6	8.1	40	4.4	1980
24	55.1	12.8	63.5	17.5	74	23.3	1965	46.7	8.2	38	3.3	1980
25	56.0	13.3	64.8	18.2	84	31.1	1965	47.3	8.5	41	5.0	1980*
26	55.9	13.3	64.5	18.1	80	26.7	1969	47.3	8.5	38	3.3	1975
27	56.4	13.6	64.3	17.9	74	25.6	1969	48.5	9.2	41	5.0	1971
28	56.5	13.6	64.5	18.1	97	36.1	1981	48.5	9.2	39	3.9	1975
29	56.5	13.6	64.9	18.3	82	27.8	1981	48.1	8.9	40	4.4	1970
30	56.7	13.7	64.5	18.1	72	22.2	1961	48.9	9.4	40	4.4	1967
31												
Monthly	55.0	13.3	64.5	18.1	99	37.2	1968	47.3	8.5	36	2.2	1982*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

POINT MUGU, CALIFORNIA

1960-1982

MAY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	° F	° C	° F	° C	° F	° C	DATE	° F	° C	° F	° C	DATE
1	58.0	14.4	65.8	18.8	72	22.3	1976*	50.2	10.1	42	5.6	1967
2	57.6	14.2	65.7	18.7	84	24.9	1970	49.6	9.8	44	6.7	1971
3	57.6	14.2	64.8	18.2	80	26.7	1970	50.5	10.3	43	6.1	1961
4	57.3	14.1	63.7	17.6	69	20.6	1981	51.0	10.6	45	7.2	1971
5	56.8	13.8	63.8	17.7	68	20.0	1981*	49.8	9.9	45	7.2	1975*
6	56.9	13.8	64.7	18.2	75	23.9	1978	49.1	9.5	44	6.7	1978*
7	57.5	14.2	65.0	18.3	74	23.3	1960	50.0	10.0	45	7.2	1975*
8	58.3	14.6	65.5	18.6	80	26.7	1978	51.1	10.6	45	7.2	1971*
9	57.6	14.2	65.3	18.5	74	23.3	1981	49.9	9.9	41	5.0	1979
10	57.8	14.1	65.0	18.3	73	22.8	1960	49.8	9.9	42	5.6	1982
11	57.1	13.9	64.7	18.2	77	25.0	1979	49.5	9.7	38	3.3	1980
12	58.6	14.8	65.8	18.8	80	26.7	1979	51.5	10.8	43	6.1	1982*
13	59.4	15.2	67.5	19.7	95	35.0	1979	51.4	10.8	44	6.7	1982*
14	58.7	14.8	66.1	18.9	92	33.3	1967	51.3	10.7	43	6.1	1968
15	58.8	14.9	67.0	19.4	96	35.6	1970	50.7	10.4	41	5.0	1968
16	58.9	14.9	66.7	19.3	94	34.4	1967	51.2	10.7	43	6.1	1980
17	58.7	14.8	66.6	19.2	89	31.7	1978	50.8	10.4	43	6.1	1977
18	58.6	14.8	65.8	18.8	82	27.8	1978	51.3	10.7	44	6.7	1981
19	59.0	15.0	66.1	18.9	77	25.0	1960	51.8	11.0	45	7.2	1971
20	58.6	14.8	65.7	18.7	76	24.4	1960	51.5	10.8	42	5.6	1972
21	58.4	14.7	65.7	18.7	70	21.1	1979*	51.1	10.6	42	5.6	1981
22	58.3	14.6	65.8	18.8	71	21.7	1979	50.9	10.5	44	6.7	1971
23	58.5	14.7	65.3	18.5	72	22.2	1979	51.7	10.9	41	5.0	1960
24	58.8	14.9	65.2	18.4	70	21.1	1979	52.3	11.3	45	7.2	1978*
25	58.6	14.8	65.0	18.3	74	23.3	1979	52.2	11.2	35	1.7	1980
26	59.0	15.0	66.0	18.9	75	23.9	1968	52.0	11.1	37	2.8	1980
27	59.8	15.4	66.5	19.1	75	23.9	1973	53.2	11.8	42	5.6	1980
28	61.0	16.1	68.5	20.3	82	27.8	1973	53.6	12.0	43	6.1	1980
29	60.6	15.9	67.5	19.7	83	28.3	1978	53.7	12.1	42	5.6	1980
30	59.5	15.3	66.0	18.9	73	22.8	1972	52.9	11.6	47	8.3	1980
31	59.8	15.4	65.7	18.7	73	21.1	1981*	54.0	12.2	47	8.3	1980*
Monthly	58.5	14.7	65.7	18.7	96	35.6	1970	51.3	10.7	35	1.7	1980

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

POINT MUGU, CALIFORNIA

1960-1982

JUNE

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C		
1	59.6	15.3	65.8	18.8	76	24.4	1976	53.5	11.9	42	5.6	1971
2	59.9	15.5	66.0	18.9	71	21.7	1969	53.8	12.1	45	7.2	1980*
3	60.2	15.7	66.4	19.1	72	22.2	1981	54.0	12.2	45	7.2	1980
4	60.2	15.7	67.0	19.4	77	25.0	1981	53.5	11.9	43	6.1	1980
5	60.6	15.9	67.0	19.4	74	23.3	1977	54.3	12.4	46	7.8	1980
6	60.2	15.7	66.6	19.2	74	23.3	1977	53.8	12.1	39	3.9	1980
7	60.8	16.0	67.0	19.4	71	21.7	1979	54.7	12.6	41	5.0	1980
8	60.9	16.0	68.7	19.3	75	23.9	1979	54.8	12.7	46	7.8	1980
9	61.0	16.1	67.4	19.7	85	29.4	1979	54.5	12.5	45	7.2	1980
10	61.5	16.4	68.8	20.4	97	36.1	1979	54.3	12.4	45	7.2	1980
11	61.3	16.3	68.7	20.4	97	36.2	1979	54.0	12.2	44	6.7	1980
12	61.3	16.3	68.5	20.3	81	27.2	1979	54.1	12.3	41	5.0	1980
13	61.7	16.5	68.6	20.3	77	25.0	1981*	54.7	12.6	44	6.7	1980
14	61.9	16.6	69.7	20.9	97	36.1	1981	54.1	12.3	44	6.7	1980
15	62.4	16.9	69.6	20.9	100	37.8	1981	55.2	12.9	44	6.7	1980
16	62.1	16.7	69.3	20.7	93	36.7	1981	54.9	12.7	47	8.3	1980
17	62.2	16.8	68.6	20.3	85	29.4	1981	55.7	13.2	46	7.8	1980
18	61.5	16.4	68.4	20.2	77	25.0	1981	54.5	12.5	47	8.3	1970
19	62.0	16.7	69.1	20.6	81	27.2	1973	54.9	12.7	47	8.3	1980
20	62.0	16.7	69.4	20.8	89	31.7	1973	54.5	12.5	48	8.9	1980
21	62.3	16.8	69.5	20.8	85	29.4	1973	55.2	12.9	46	7.8	1980
22	62.3	16.8	68.9	20.5	75	23.0	1981	55.7	13.2	47	8.3	1980
23	62.6	17.0	69.7	20.9	85	31.1	1976	55.4	13.0	47	8.3	1980
24	62.2	16.8	69.3	20.7	86	31.1	1976	55.0	12.8	47	8.3	1980
25	62.6	17.0	70.4	21.3	86	30.0	1970	54.7	12.6	47	8.3	1980
26	62.0	16.7	69.5	20.8	80	26.7	1976	54.4	12.4	48	8.9	1980
27	62.0	16.7	69.7	20.9	86	30.0	1976	54.3	12.4	49	9.4	1970
28	62.4	16.9	70.2	21.2	90	32.2	1980	54.7	12.6	50	10.0	1979*
29	61.6	16.4	69.1	20.6	74	23.3	1979*	54.1	12.3	48	8.9	1979
30	61.9	16.6	70.0	21.1	74	23.3	1969	53.9	12.2	48	8.9	1970
31												
Monthly	61.5	16.4	68.5	20.3	100	37.8	1981	54.5	12.5	39	3.9	1980

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

POINT MUGU, CALIFORNIA

1960-1982

JULY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	51.7	16.5	68.9	20.5	73	22.8	1976*		54.4	12.4	49	9.4	1982*	
2	61.6	16.9	69.3	20.7	75	23.9	1969		53.9	12.2	49	9.4	1982	
3	62.1	16.7	70.0	21.1	79	26.1	1981		54.1	12.3	47	8.3	1975	
4	61.5	16.6	69.2	20.7	77	25.0	1981		54.3	12.4	47	8.3	1979	
5	62.2	16.8	69.1	20.6	80	26.7	1981		55.3	12.9	49	9.4	1980*	
6	62.3	16.8	69.4	20.8	76	25.6	1981		55.2	12.9	46	7.8	1980	
7	62.0	16.7	69.7	20.9	75	23.9	1981*		54.3	12.4	48	8.9	1981	
8	62.2	16.8	69.8	21.0	76	24.4	1979		54.5	12.5	46	7.8	1981	
9	62.5	16.9	69.6	20.9	74	23.3	1981*		55.4	13.0	46	7.8	1980	
10	63.0	17.2	70.7	21.5	79	26.1	1968		55.3	12.9	43	6.1	1980	
11	63.2	17.3	70.9	21.6	75	23.9	1968*		55.5	13.1	49	9.4	1980	
12	62.5	17.1	70.6	21.4	75	23.9	1981*		55.1	12.8	46	8.9	1980	
13	63.5	17.5	70.7	21.3	79	26.1	1978		56.3	13.5	49	9.4	1980	
14	63.7	17.6	70.7	21.5	79	26.1	1981		56.7	13.7	46	7.8	1980	
15	64.1	17.8	71.0	21.7	79	26.1	1978		57.3	14.1	48	8.9	1980	
16	63.9	17.7	70.9	21.6	77	25.0	1972		56.9	13.8	50	10.0	1970*	
17	63.9	17.7	71.0	21.7	78	25.6	1974		56.9	13.8	48	8.9	1980	
18	63.5	17.5	70.3	21.3	76	24.4	1981		56.7	13.7	46	7.8	1980	
19	64.2	17.9	70.3	21.3	74	23.3	1981*		58.0	14.4	51	10.6	1980	
20	64.2	17.9	70.8	21.6	81	27.2	1960		57.7	14.3	51	10.6	1980	
21	64.5	18.1	71.5	21.9	88	31.1	1960		57.5	14.2	50	10.0	1966	
22	64.2	17.9	70.9	21.6	80	26.7	1960		57.5	14.2	52	11.1	1979	
23	64.1	17.8	70.7	21.5	78	25.6	1974		57.6	14.2	52	11.1	1980	
24	64.6	18.1	71.5	21.9	79	25.6	1974*		57.8	14.3	50	10.0	1980	
25	65.0	18.3	72.2	22.3	79	26.1	1977		57.7	14.3	53	11.7	1980	
26	65.2	18.4	72.2	22.3	87	30.4	1977		58.3	14.6	54	12.2	1980*	
27	65.2	18.4	71.8	22.1	82	27.8	1977*		58.6	14.8	51	10.6	1965	
28	65.4	18.6	72.4	22.4	79	26.1	1977*		58.5	14.7	52	11.1	1965	
29	64.0	18.9	72.6	22.6	81	27.2	1972		59.3	15.2	52	11.1	1979	
30	64.7	19.3	73.5	23.1	80	26.7	1980*		60.0	15.6	52	11.1	1978	
31	65.9	18.8	72.6	22.6	81	27.2	1969		59.1	15.1	52	11.1	1970	
Monthly	63.7	17.6	70.8	21.6	81	31.1	1960		56.6	13.7	43	6.1	1980	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

POINT MUGU, CALIFORNIA

1960-1982

AUGUST

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C	
1	56.4	19.1	73.4	23.0	81	27.2	1972		59.3	15.2	51	10.6	1970
2	65.6	18.7	72.5	22.5	79	25.6	1971		58.7	14.8	49	9.4	1981
3	65.2	18.4	72.0	22.2	79	26.1	1971		58.3	14.6	49	9.4	1981
4	66.1	18.9	73.1	22.8	80	26.7	1971		59.0	15.0	51	10.6	1981
5	66.0	18.9	72.6	22.6	79	26.1	1978		59.5	15.3	53	11.7	1970
6	66.2	19.0	73.3	22.9	78	25.6	1972*		59.2	15.1	51	10.6	1980
7	66.7	19.3	74.2	23.4	84	28.9	1975		59.2	15.1	51	10.6	1970
8	66.6	19.2	74.1	23.4	79	26.1	1965		59.1	15.1	52	11.1	1980
9	66.8	19.3	74.1	23.4	85	29.4	1965		59.5	15.3	52	11.1	1970
10	66.2	19.0	73.0	22.8	80	26.7	1965		59.5	15.3	53	11.7	1982
11	66.7	19.3	73.0	22.8	79	25.6	1967*		60.3	15.7	53	11.7	1966*
12	66.5	19.2	72.7	22.6	83	28.3	1965		60.2	15.7	52	11.1	1962
13	66.5	19.2	73.1	22.8	84	28.9	1965		59.9	15.5	56	13.3	1982*
14	65.7	18.7	72.8	22.7	79	26.1	1965*		58.5	14.7	51	10.6	1982
15	65.5	18.6	72.6	22.6	79	26.1	1965		58.5	14.7	49	9.4	1982
16	66.2	19.0	73.3	22.9	78	25.6	1977*		59.0	15.0	52	11.1	1964
17	66.1	18.9	72.8	22.7	79	26.1	1967		59.3	15.2	53	11.7	1968
18	66.2	19.0	72.7	22.6	77	25.0	1977*		59.7	15.4	52	11.1	1978
19	66.7	19.3	73.6	23.1	82	27.8	1973		59.7	15.4	55	12.8	1981*
20	65.7	18.7	73.1	22.8	78	25.6	1973*		58.4	14.7	49	9.4	1981
21	65.7	18.7	73.3	22.9	85	29.4	1972		58.0	14.4	49	9.4	1981
22	65.7	18.7	73.4	23.0	97	36.1	1972		57.9	14.4	50	10.0	1981*
23	65.4	18.6	73.5	23.1	81	27.2	1968		57.2	14.0	51	10.6	1968
24	65.0	18.3	73.2	22.9	77	25.0	1979		56.8	13.8	49	9.4	1981
25	65.5	18.6	73.4	23.0	81	27.2	1981		57.7	14.3	50	10.0	1968
26	65.8	18.8	73.6	23.1	82	27.8	1981		58.0	14.4	53	11.7	1970*
27	65.7	18.7	73.4	23.0	81	27.2	1981		58.0	14.4	53	11.7	1968
28	65.9	18.8	73.1	22.8	77	25.0	1978*		58.6	14.8	52	11.1	1968
29	66.0	18.9	73.1	22.8	81	27.2	1972		59.0	15.0	53	11.7	1980*
30	65.5	18.6	72.3	22.4	81	27.2	1976		58.7	14.8	49	9.4	1970
31	64.7	18.2	71.9	22.2	79	26.1	1972		57.5	14.2	49	9.4	1970*
Monthly	65.9	18.8	73.1	22.8	97	36.1	1972		58.8	14.9	49	9.4	1982*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

POINT MUGO, CALIFORNIA

1960-1962

SEPTEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	65.2	18.8	72.4	22.4	81	27.2	1967	58.0	14.4	48	8.9	1970
2	65.5	18.8	73.0	22.8	83	28.3	1967	58.0	14.4	50	10.0	1970
3	66.0	18.9	72.8	22.7	77	25.0	1976	59.2	15.1	51	10.6	1970
4	66.4	19.1	72.9	22.7	92	33.3	1961	59.9	15.5	59	12.2	1970
5	65.5	18.8	72.5	22.5	82	27.9	1972	58.6	14.8	49	9.4	1962
6	65.8	18.8	73.0	22.8	74	25.6	1976	58.6	14.8	51	10.6	1960
7	65.2	18.8	72.1	22.3	78	25.6	1977	58.3	14.6	52	11.1	1964
8	65.8	18.8	73.4	23.0	81	27.2	1979	58.2	14.6	49	9.4	1964
9	65.6	18.7	73.0	22.8	86	30.0	1979	58.2	14.6	51	10.6	1964
10	66.0	18.9	72.9	22.7	80	26.7	1979	59.2	15.1	51	10.6	1961
11	65.8	18.8	72.6	22.6	87	30.6	1963	59.0	15.0	51	10.6	1968
12	65.8	18.8	72.7	22.6	87	30.6	1963	58.8	14.9	52	11.1	1968
13	65.7	18.7	72.3	22.4	81	27.2	1979	59.1	15.1	48	8.9	1966
14	64.9	18.3	72.5	22.5	82	27.8	1979	57.3	14.1	47	8.3	1966
15	64.9	18.3	72.5	22.5	90	32.2	1979	57.4	14.1	48	8.9	1966
16	65.8	18.8	73.0	22.8	90	32.2	1979	58.5	14.7	52	11.1	1970
17	65.5	18.8	72.7	22.6	86	30.0	1979	58.3	14.6	52	11.1	1970
18	65.0	18.3	72.2	22.3	82	27.8	1979	57.8	14.3	51	10.6	1978
19	65.1	18.8	72.6	22.6	86	30.0	1978	57.5	14.2	50	10.0	1973
20	64.7	18.2	72.8	22.7	89	31.7	1978	56.8	13.6	49	9.4	1968
21	65.0	18.3	73.7	23.2	89	31.7	1978	56.2	13.4	48	8.9	1968
22	65.3	18.5	75.4	24.1	90	32.2	1968	55.3	12.9	44	6.7	1968
23	66.4	19.1	76.5	24.7	96	35.6	1968	56.3	13.8	52	11.1	1973
24	66.6	19.2	75.3	24.1	98	36.7	1975	57.9	14.0	51	10.6	1960
25	66.3	19.1	74.7	23.7	92	33.3	1978	57.8	14.3	50	10.0	1981
26	66.7	19.3	75.0	23.9	100	37.9	1973	58.4	14.7	48	8.9	1971
27	66.5	19.2	73.8	23.2	97	36.1	1963	59.1	15.1	51	10.6	1971
28	65.1	18.8	73.9	23.0	97	36.1	1963	58.7	13.7	47	8.3	1980
29	65.4	18.8	73.3	22.9	97	36.1	1970	57.6	14.2	47	8.3	1971
30	65.6	18.8	74.1	23.4	97	36.1	1965	57.5	14.2	50	10.0	1961
31												
Monthly	65.6	18.7	73.3	22.9	100	37.8	1973	58.0	14.4	44	6.7	1968

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

POINT MUGU, CALIFORNIA

1960-1982

OCTOBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C		
1	64.9	18.3	72.9	22.7	89	31.7	1965	56.8	13.8	43	6.1	1971
2	63.7	17.6	71.3	21.8	79	26.1	1982	56.1	13.4	46	7.8	1971
3	64.2	17.9	71.6	22.0	78	25.6	1979	56.9	13.8	47	8.3	1971*
4	64.5	18.1	72.5	22.5	98	36.7	1971	56.4	13.6	46	7.8	1965
5	64.3	17.9	73.1	22.8	101	38.3	1971	55.5	13.1	48	8.9	1981*
6	65.7	18.7	74.9	23.8	104	40.0	1971	56.6	13.7	48	8.9	1965
7	64.0	17.8	71.8	22.1	87	29.4	1967	56.1	13.4	48	8.9	1982
8	63.3	17.4	72.9	22.7	91	32.8	1976	53.8	12.1	46	7.8	1982*
9	62.9	17.2	71.8	22.1	90	32.2	1982*	54.0	12.2	49	9.4	1981*
10	62.6	17.1	72.0	22.2	87	30.6	1982	53.7	12.1	49	9.4	1975*
11	62.6	17.0	71.3	21.8	87	30.6	1982	53.9	12.2	45	7.2	1960
12	61.6	16.4	70.4	21.3	79	26.1	1974	52.8	11.6	45	7.2	1981*
13	62.0	16.7	71.0	21.7	94	34.4	1961	53.1	11.7	43	6.1	1981
14	63.5	17.5	72.2	22.3	100	37.8	1961	54.7	12.6	40	4.4	1981
15	64.0	17.8	73.7	23.2	99	36.7	1961	54.3	12.4	42	5.6	1981
16	63.0	17.2	73.7	23.2	91	32.3	1967	52.4	11.3	39	3.9	1981
17	62.7	17.1	73.3	22.9	83	31.1	1968	52.1	11.2	41	5.0	1971*
18	62.4	16.9	72.0	22.2	92	33.3	1981	52.8	11.6	42	5.6	1971
19	61.9	16.6	72.6	22.6	94	34.4	1981	51.2	10.7	43	6.1	1971
20	62.8	17.1	72.0	22.2	93	33.9	1964	53.7	12.1	43	6.1	1971
21	62.2	16.8	71.5	21.9	101	38.3	1965	52.9	11.6	42	5.6	1971
22	61.2	16.2	70.7	21.5	96	35.6	1965	51.7	10.9	43	6.1	1971
23	61.5	16.4	70.8	21.6	94	34.4	1965	52.1	11.2	44	6.7	1981*
24	61.0	16.1	71.0	21.7	91	32.8	1965	51.0	10.6	43	6.1	1979
25	59.8	15.4	69.5	20.8	82	27.9	1965	50.1	10.1	42	5.6	1971
26	59.4	15.2	62.0	20.0	84	28.9	1976	50.7	10.4	44	6.7	1975*
27	60.8	16.0	70.6	21.4	93	33.9	1973	51.0	10.6	45	7.2	1960
28	61.7	16.5	71.4	21.9	92	33.3	1970	51.9	11.1	46	7.8	1979*
29	60.6	15.9	70.9	21.6	89	31.7	1969	50.3	10.2	38	3.3	1971
30	60.8	16.0	72.2	22.3	95	35.7	1973	49.4	9.7	33	.6	1971
31	61.3	16.3	73.1	22.8	93	35.7	1967	49.4	9.7	37	2.8	1971
Monthly	62.5	16.9	71.8	22.1	104	40.0	1971	53.2	11.8	33	.6	1971

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION POINT MUGO, CALIFORNIA STATION NAME 1960-1962 YEARS NOVEMBER MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE		
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C			
1	50.6	15.9	71.7	22.1	95	36.7	1966	49.5	9.7	42	5.6	1979		
2	50.0	15.6	70.8	21.6	83	28.3	1981*	49.1	9.5	41	5.0	1979*		
3	50.1	15.1	69.1	20.6	88	31.1	1964	49.2	9.6	40	4.4	1979		
4	50.4	15.2	68.6	20.3	94	34.4	1976	50.2	10.1	40	4.4	1974		
5	52.5	15.2	67.5	19.7	84	28.9	1976	51.1	10.6	40	4.4	1974		
6	50.2	15.1	67.8	19.9	83	31.1	1961	50.5	10.3	43	6.1	1972*		
7	58.7	14.8	67.4	19.7	85	29.4	1961	50.0	10.0	44	6.7	1979		
8	58.5	14.6	67.5	19.7	83	28.3	1968	49.0	9.4	40	4.4	1974		
9	58.4	14.7	68.8	20.4	80	26.7	1977	48.0	8.9	42	5.6	1975*		
10	58.4	14.7	67.8	19.9	82	27.8	1977	49.0	9.4	43	6.1	1971		
11	58.8	14.8	67.6	19.8	84	28.9	1974	49.5	9.7	41	5.0	1978		
12	59.1	15.1	67.9	19.9	83	28.3	1975	50.3	10.2	38	3.3	1976		
13	58.8	14.8	69.3	20.2	86	30.0	1975	49.0	9.4	42	5.6	1971		
14	58.5	14.7	67.5	19.4	82	27.8	1970	50.0	10.0	41	5.0	1971		
15	57.5	14.2	67.3	19.9	81	27.2	1970	47.1	8.4	39	3.9	1964		
16	57.8	14.3	67.7	19.8	87	30.6	1976	47.8	8.8	39	3.9	1975*		
17	58.1	14.5	68.1	20.1	87	30.6	1976	48.0	8.9	40	4.4	1975*		
18	56.8	13.8	67.2	19.6	77	25.0	1980	46.4	8.0	36	2.2	1964		
19	57.2	14.0	67.6	19.8	77	25.0	1981*	46.9	8.3	35	1.7	1980		
20	57.4	14.1	57.6	19.8	80	28.9	1963	47.0	8.3	38	3.3	1972*		
21	55.4	13.0	65.7	18.7	73	25.6	1980	45.1	7.3	37	2.8	1979*		
22	54.8	12.7	64.4	18.0	75	23.9	1975	45.1	7.3	36	2.2	1979		
23	56.4	13.8	67.4	19.7	85	29.4	1975	46.4	8.0	37	2.8	1971		
24	58.1	14.5	69.0	20.4	87	30.6	1975	47.2	8.4	38	3.3	1971		
25	56.5	13.6	67.4	19.8	88	31.1	1977	45.5	7.5	39	3.9	1974*		
26	57.3	13.9	67.8	19.9	83	28.3	1969	46.3	7.9	35	1.7	1974		
27	56.0	13.3	66.5	19.2	83	28.3	1969	45.4	7.4	36	2.2	1974		
28	58.3	14.6	68.1	20.1	87	30.6	1977	48.5	9.2	37	2.8	1966		
29	59.1	15.1	69.7	20.9	86	31.1	1977	48.5	9.2	40	4.4	1981		
30	57.0	13.9	68.0	20.0	85	29.4	1964	45.9	7.7	36	2.2	1974		
31														
Monthly	58.0	14.4	67.9	19.9	90	36.7	1966	48.0	8.9	35	1.7	1980*		

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

POINT MUGO, CALIFORNIA

1966-1962

DECEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	56.6	13.7	67.0	19.4	83	28.3	1979	46.2	7.9	39	3.9	1974
2	55.4	13.0	65.9	18.8	80	26.7	1960	45.0	7.2	36	2.2	1962*
3	55.1	12.8	65.7	18.7	80	26.7	1960	44.4	6.9	37	2.6	1971
4	55.1	12.8	65.9	18.8	82	27.8	1979*	44.4	6.9	38	3.3	1962*
5	55.5	13.1	66.6	19.2	86	30.7	1979	44.4	6.9	35	1.7	1972*
6	54.7	12.6	65.2	18.4	83	28.3	1979	44.2	6.8	33	.6	1978
7	54.3	12.4	65.2	18.4	79	26.4	1973	43.3	6.3	29	-1.7	1978
8	54.6	12.6	65.1	19.4	87	30.6	1975	44.2	6.8	35	1.7	1971*
9	53.7	12.1	63.8	17.7	86	30.7	1973	43.5	6.4	28	-2.2	1971
10	53.6	12.0	63.8	17.7	79	26.1	1973	43.4	6.3	27	-2.8	1972
11	53.2	12.9	64.4	19.0	82	27.8	1980	46.0	7.8	33	.6	1971
12	54.2	12.2	64.3	17.9	79	26.1	1966	43.6	6.4	30	-1.1	1971
13	53.2	11.6	63.5	17.5	75	23.9	1978	43.0	6.1	35	1.7	1972
14	52.4	11.3	63.7	17.6	81	27.2	1980	41.0	5.0	34	1.1	1971
15	53.5	13.1	65.9	18.8	87	30.6	1980	45.0	7.2	38	3.3	1978*
16	53.1	12.8	65.5	18.6	87	30.6	1980	44.8	7.1	33	.6	1979
17	53.2	12.9	64.7	18.2	76	24.4	1980	45.6	7.6	34	3.9	1968
18	53.4	11.9	63.0	17.2	75	23.9	1973*	43.8	6.6	33	.6	1975
19	53.1	11.7	62.0	16.7	74	23.3	1973	44.1	6.7	35	1.7	1968
20	53.2	12.2	63.3	17.4	7	25.6	1960	44.5	6.9	33	.6	1968
21	54.2	12.3	63.0	17.2	72	25.6	1960	45.5	7.5	29	-1.7	1968
22	54.6	12.6	63.7	17.6	79	26.1	1960	45.4	7.4	35	1.7	1968
23	54.9	12.7	64.6	18.2	74	26.1	1961	45.0	7.2	32	.0	1974
24	54.8	12.7	64.4	18.0	74	26.1	1967	45.2	7.3	36	2.2	1976*
25	53.5	12.1	63.2	17.3	62	27.8	1967	44.5	6.9	35	1.7	1981
26	52.8	11.6	62.1	16.7	80	26.7	1972	43.5	6.4	33	.6	1974
27	52.0	11.1	61.9	16.6	74	23.3	1972	42.0	5.6	34	1.1	1969
28	52.3	11.3	61.8	16.6	83	28.3	1963	42.8	6.0	31	-.6	1969
29	53.7	12.1	64.7	18.2	87	30.6	1980	42.6	5.9	35	1.7	1974*
30	53.4	12.1	63.5	17.5	80	29.4	1980	44.0	6.7	30	-1.1	1969
31	53.5	11.9	63.3	17.4	80	26.7	1963	43.7	6.5	29	-1.7	1969
Monthly	54.2	12.3	64.2	17.9	87	30.6	1980*	44.2	6.8	27	-2.8	1972

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

1911
STATION

POINT MUGO, CALIFORNIA
STATION NAME

60-82

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
10	74	71	80	86	77	76	88	73	81	60	77	79	82
11	83	79	79	75	67	72	74	73	92	100	88	79	100
12	48	65	67	89	72	69	69	76	73	86	75	82	80
13	77	83	79	74	71	74	76	79	97	88	81	93	97
14	78	92	85	85	67	69	75	81	92	93	88	75	94
15	88	80	73	88	70	70	80	85	97	101	72	77	101
16	82	79	81	99	69	75	74	77	83	85	98	79	99
17	82	81	70	63	98	72	82	80	81	95	80	82	90
18	83	83	74	89	75	72	79	81	96	88	84	78	90
19	84	74	84	80	73	74	81	79	79	91	83	80	91
20	70	71	82	81	96	86	74	75	94	92	82	76	96
21	82	82	76	88	78	73	76	80	80	104	80	71	104
22	78	77	81	70	75	74	81	97	82	98	79	80	98
23	75	79	68	86	82	89	76	82	100	95	74	86	100
24	76	82	69	79	74	73	78	75	77	88	84	72	83
25	86	67	66	65	68	73	75	84	96	84	87	87	92
26	90	81	78	74	72	88	78	81	80	91	94	84	94
27	93	80	76	74	70	74	87	76	78	81	88	77	88
28	74	74	86	70	89		79	79	90	93	74	76	
29	67	69	84	75	95	97	76	77	90	78	80	80	97
30	76	78	74	83	67	90	80	78	82	90	83	87	90
31	82	86	78	97	74	100	80	82	79	94	89	72	100
32													
MEAN	80.2	77.9	76.8	80.5	76.1	78.1	77.9	79.8	86.7	90.7	83.0	79.3	95.3
S.D.	5.77	6.10	6.03	9.55	9.25	9.38	4.40	4.81	8.44	6.81	6.56	4.81	4.81
TOTAL OBS.	662	622	682	660	682	630	682	682	660	692	660	682	8006

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

111
STATION

POINT MUD, CALIFORNIA
STATION NAME

40-50
YEARS

YEARS

WIND DIRECTION

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	33	35	42	41	41	42	50	49	51	45	39	34	39
2	35	40	36	41	43	49	55	54	50	43	40	39	39
3	36	34	35	42	43	48	52	52	49	46	40	32	39
4	33	43	38	39	46	51	50	51	55	49	43	37	39
5	35	34	35	40	45	50	49	52	49	50	36	30	34
6	40	34	36	41	45	49	51	56	51	41	40	37	34
7	34	36	34	44	47	49	49	52	47	43	40	35	34
8	37	38	36	38	42	45	56	57	57	47	42	35	34
9	34	44	36	37	41	44	49	50	44	45	37	29	39
10	36	38	40	43	47	49	53	55	54	46	40	29	39
11	39	40	45	40	47	47	50	49	48	44	40	37	36
12	31	27	33	38	44	42	52	54	47	33	37	23	27
13	34	39	36	36	42	50	52	53	52	40	40	27	27
14	33	45	45	43	46	50	52	52	50	47	40	40	33
15	39	36	38	44	45	50	52	55	50	43	35	32	33
16	30	35	38	36	44	50	47	54	56	44	38	33	30
17	30	41	36	42	50	51	54	55	56	46	44	30	30
18	40	37	35	42	43	46	50	52	51	47	42	40	30
19	40	42	44	43	44	48	48	52	51	50	36	29	30
20	31	35	36	38	41	44	47	52	51	41	36	33	31
21	30	34	37	38	35	39	43	51	47	43	35	37	34
22	34	34	42	42	42	44	50	49	50	39	38	30	34
23													
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MEAN	34.5	37.5	37.7	40.5	43.8	48.0	50.3	52.5	50.7	44.2	39.1	34.2	32.0
S. D.	2.125	4.284	3.210	2.385	3.554	3.201	2.711	2.262	3.298	3.911	2.467	3.936	2.549
TOTAL OBS.	683	622	683	667	453	630	682	682	660	682	660	682	1006

SMOS

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION

POINT MUGLE, CALIFORNIA

STATION NAME

62-3?

YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

[illegible]

SMOS

PSYCHROMETRIC SUMMARY

HOURS (L S T)

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

NORTH

HOURS (LST)

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION 11 107th St, CALIFORNIA 12-17 YEARS NORTH
 STATION NAME HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL				
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point						
1 / 11																										
2 / 11																										
3 / 11																										
4 / 11		1.2	2.5	3.8	5.1	6.4	7.7	9.0	10.3	11.6	12.9	14.2	15.5	16.8	18.1	19.4	20.7									
5 / 11																		275	275	22.5						
6 / 11																										
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30 / 11																										
31 / 11																										
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature															
Rel. Hum.	106111		142113		72.0		27.0		25		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					Total					
Dry Bulb	106111		142113		72.0		27.0		25				42	11							672					
Wet Bulb	106111		142113		72.0		27.0		25												672					
Dew Point	106111		142113		72.0		27.0		25				12								672					

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH	HOURS (LST)

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION

STATION NAME

DATE

YEARS

MONTH

HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
70																		1	1					
71																		1	1					
72																		2	2					
73																		3	3					
74																		7	7					
75																		10	10					
76																		5	5					
77																		9	9					
78																		12	12					
79																		14	14					
80																		20	20					
81																		29	29					
82																		114	114					
83																		214	214					
84																		117	117	152	4			
85																		253	253	266	42			
86																		312	312	324	120			
87																		278	278	369	261			
88																		278	278	412	367			
89																		206	206	316	417			
90																		174	174	271	337			
91																		78	78	175	262			
92																		41	41	177	196			
93																		2	2	60	196			
94																		10	10	2	77			
95																		2	2	12	67			
96																		1	1	1	10			
97																				1	27			
98																					17			
99																					6			
100																					4			
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

STATION: POINT MUD, CALIFORNIA DATE: 11-7 MONTH: APR

PAGE: 2
HOURS (LST):

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
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Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature							Total				
Rel. Hum.	1742171		174477		74.8		14.72		24		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total					
Dry Bulb	1745411		134435		56.2		14.75		24				10.2	11.4	3.0		24.6					
Wet Bulb	14100		1247		11.6		4.7		24								24.6					
Dew Point	14100		11433		7.5		5.95		24				11.6				24.6					

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

MONTH

AGE :
HOURS (LST)

[illegible]

PSYCHROMETRIC SUMMARY

MONTH

4 2 1 1

HOURS (L)

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

MONTH

HOURS (L S Y)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1		70		70												
																		70		70													

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

MONTH

MOVIES : 87

[illegible]

NAVWEASERVCOM

4278 2-197 53321

MONTH

NAVWEASERVCOM

[illegible]

06/9 2017 5:53:21

MONTH

HOURS (L S T)

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

MONTH

HOURS (L S T)

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

MONTH

HOURS (LST)

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NAVWEASERVCOM

6718 2037 54321

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44 y

STATION

STATION NAME

YEARS

NOTES

ALL 1

HOURS (L S T)

NAVWEASERVCOM

4

PSYCHROMETRIC SUMMARY

MONTH

HOURS (LST)

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

SOUTH

HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
70																		1	1		
71																		1	1		
72																		1	1		
73																		1	1		
74																		1	1		
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NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

MONT

2.5
HOURS (LST)

[illegible]

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

7111 POINT MUGU, CALIFORNIA

73-82

STATION		STATION NAME												YEARS
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1	MEAN	50.4	50.7	50.5	51.3	54.4	56.9	58.9	61.4	61.8	57.4	52.6	50.7	54.7
	S. D.	7.505	5.645	4.960	4.024	3.856	4.159	3.673	3.010	3.473	4.985	6.755	7.143	6.651
	TOTAL OBS	310	282	310	300	310	299	310	310	300	310	300	310	3651
2	MEAN	49.1	49.0	48.7	49.1	53.1	55.5	57.6	60.3	60.6	56.2	51.1	48.2	53.2
	S. D.	6.037	6.212	5.540	4.717	4.723	4.660	4.195	3.677	3.951	5.629	7.177	7.565	7.235
	TOTAL OBS	310	282	310	300	310	299	310	310	300	310	300	310	3651
3	MEAN	48.5	48.3	49.1	52.8	57.5	60.7	61.9	62.7	62.2	56.8	50.6	47.4	54.9
	S. D.	6.045	6.369	5.501	4.822	3.424	3.973	3.138	2.633	3.951	5.708	7.662	7.853	8.032
	TOTAL OBS	310	282	310	300	310	299	310	310	300	309	300	310	3650
4	MEAN	58.3	59.9	59.9	61.8	62.9	66.2	68.0	69.9	70.1	68.4	64.5	59.4	64.1
	S. D.	6.577	6.124	4.803	5.562	4.362	5.146	3.479	3.018	5.132	5.657	6.991	6.897	6.823
	TOTAL OBS	310	282	310	300	310	299	310	310	300	310	300	310	3651
5	MEAN	61.8	62.4	61.4	63.1	64.6	68.1	70.0	71.8	72.0	69.9	66.7	63.2	66.7
	S. D.	6.590	5.445	4.759	4.928	4.897	5.214	3.199	2.496	4.807	5.437	6.362	6.191	6.365
	TOTAL OBS	310	282	310	300	310	299	310	310	300	310	300	310	3651
6	MEAN	60.2	61.2	60.3	61.9	63.5	67.0	69.2	70.8	70.8	67.7	64.1	60.9	64.8
	S. D.	5.920	5.141	4.148	4.762	3.646	4.791	3.195	2.708	4.829	4.550	5.323	5.346	6.055
	TOTAL OBS	310	282	310	300	310	299	310	310	300	309	300	309	3649
7	MEAN	54.3	55.8	55.3	56.0	58.0	61.3	63.1	64.4	64.9	61.9	57.4	53.4	58.9
	S. D.	4.940	3.792	3.210	3.328	3.086	3.961	3.030	2.380	3.101	3.376	4.882	5.121	5.379
	TOTAL OBS	310	282	310	300	310	299	310	310	300	310	300	309	3650
8	MEAN	52.0	52.5	52.6	53.7	55.4	58.2	59.8	62.3	63.1	59.2	54.4	51.2	56.2
	S. D.	4.263	4.673	3.951	3.322	3.130	3.911	3.488	2.530	3.066	4.327	5.962	6.461	5.957
	TOTAL OBS	310	282	310	300	310	298	310	310	300	310	300	309	3649
ALL HOURS	MEAN	54.4	55.0	54.7	56.2	58.7	61.7	63.6	65.4	65.7	62.2	57.7	54.2	59.1
	S. D.	5.357	7.595	6.766	6.755	5.616	6.383	5.717	5.178	5.915	7.287	8.874	8.758	8.196
	TOTAL OBS	2400	2256	2480	2400	2440	2391	2480	2480	2400	2478	2400	2477	29202

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION 111 POINT MUGO, CALIFORNIA

73-82

STATION		STATION NAME												YEARS											
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL											
1	MEAN S. D. TOTAL OBS	45.3 6.313 310	46.9 5.987 281	47.2 5.121 310	48.5 3.959 300	52.1 3.732 310	54.7 3.744 299	57.1 3.329 310	59.3 2.843 310	59.1 3.254 300	54.1 5.346 310	47.2 5.247 300	44.5 5.526 308	51.4 6.971 3648											
2	MEAN S. D. TOTAL OBS	44.1 6.620 310	45.3 5.650 282	45.6 5.592 310	46.5 4.568 300	51.1 4.405 310	53.6 4.287 299	56.0 3.914 310	58.4 3.527 310	58.1 3.663 300	52.8 5.763 310	45.7 5.614 300	42.9 5.871 308	50.0 7.412 3649											
3	MEAN S. D. TOTAL OBS	43.4 6.723 310	44.5 5.918 282	45.9 5.384 310	49.5 3.960 300	54.5 2.975 310	57.7 2.807 299	59.8 2.648 310	60.5 2.500 310	59.5 3.261 299	53.1 5.488 309	44.9 5.566 300	42.1 6.201 308	51.3 8.206 3647											
4	MEAN S. D. TOTAL OBS	50.1 6.112 310	52.5 4.169 282	52.8 4.221 310	54.6 3.285 300	57.3 2.895 310	60.2 3.094 299	62.7 2.569 310	64.1 2.294 310	63.7 3.029 299	60.1 3.676 310	54.0 4.514 300	50.4 4.801 308	56.9 6.194 3648											
5	MEAN S. D. TOTAL OBS	53.1 4.758 310	54.7 3.859 282	54.0 3.931 310	55.8 3.209 300	58.1 2.656 310	61.0 3.055 299	63.4 2.400 310	64.8 2.045 310	64.5 2.617 299	61.3 3.390 310	56.3 4.274 300	53.9 4.601 309	58.4 5.477 3649											
6	MEAN S. D. TOTAL OBS	52.0 4.676 310	54.3 3.592 282	53.9 3.652 310	55.3 3.177 300	57.6 2.732 310	60.5 3.084 299	63.0 2.428 310	64.3 2.068 310	64.0 2.806 300	60.6 3.244 309	55.8 4.179 300	53.1 4.470 308	54.0 5.376 3648											
7	MEAN S. D. TOTAL OBS	49.7 5.019 310	51.4 3.768 282	51.1 3.595 310	51.9 2.848 300	54.4 2.676 310	57.3 2.995 299	59.5 2.574 310	60.8 2.104 310	61.0 2.437 300	57.8 3.452 310	52.2 4.527 300	48.9 4.674 308	54.7 5.493 3649											
8	MEAN S. D. TOTAL OBS	47.1 5.614 310	48.8 4.459 282	49.1 4.358 310	50.5 3.111 300	53.1 2.961 310	55.6 3.290 298	57.6 3.037 310	59.9 2.309 310	60.2 2.799 300	55.8 4.489 310	49.3 5.021 300	46.0 5.207 307	52.8 6.213 3647											
ALL HOURS	MEAN S. D. TOTAL OBS	44.2 6.692 2430	44.8 5.942 2255	44.9 5.576 2880	51.6 4.774 2400	54.4 4.053 2440	57.6 4.242 2391	59.9 3.961 2480	61.5 3.428 2480	61.3 3.790 2397	56.9 5.511 2478	50.7 6.464 2400	47.7 6.713 2464	54.2 7.172 29185											

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1111 POINT MUGO, CALIFORNIA

73-42

STATION		STATION NAME												YEARS
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	35.2	42.4	43.7	45.8	50.2	53.0	55.9	57.8	57.2	51.1	47.5	37.1	47.8
	S. D.	11.418	9.451	7.334	5.626	4.215	4.362	3.272	3.056	4.431	8.188	10.937	11.042	10.358
	TOTAL OBS	310	261	310	300	310	299	310	310	300	310	300	308	3645
	MEAN	37.4	40.8	42.1	43.8	49.1	52.1	55.0	57.1	56.3	49.4	38.9	35.5	46.5
	S. D.	11.372	9.527	8.244	6.134	5.005	4.806	3.812	3.652	4.927	9.167	11.098	10.538	10.774
	TOTAL OBS	310	262	310	300	310	299	310	310	300	310	300	308	3649
	MEAN	34.4	39.6	42.3	46.4	52.	55.5	58.3	59.1	57.4	49.4	37.6	34.0	47.5
	S. D.	11.558	9.773	8.357	6.320	4.019	3.718	2.746	2.853	5.143	9.048	10.814	10.444	11.657
	TOTAL OBS	310	262	310	300	310	299	310	310	299	309	300	308	3647
	MEAN	40.2	45.1	45.9	48.4	53.0	56.1	59.4	60.6	59.7	53.4	43.4	40.3	52.6
	S. D.	11.667	9.573	8.614	6.517	4.311	4.103	2.877	2.794	5.009	9.416	11.434	11.149	10.706
	TOTAL OBS	310	262	310	300	310	299	310	310	299	310	300	308	3646
	MEAN	44.3	47.7	47.3	49.7	53.3	56.3	59.3	60.6	59.8	54.8	47.0	44.6	52.1
	S. D.	11.567	8.809	7.540	5.550	3.752	3.838	2.867	2.719	4.486	7.869	10.157	10.908	9.246
	TOTAL OBS	310	262	310	300	310	299	310	310	299	310	300	309	3649
	MEAN	45.5	47.9	48.1	49.9	53.3	56.1	59.0	60.3	59.7	55.4	48.6	45.4	52.4
	S. D.	10.030	8.193	6.463	5.034	3.342	3.244	2.837	2.584	4.175	6.482	8.671	10.222	8.349
	TOTAL OBS	310	262	310	300	310	299	310	310	300	309	300	308	3648
	MEAN	43.2	47.1	47.2	48.2	51.5	54.4	57.1	59.5	58.4	54.5	47.0	43.4	51.0
	S. D.	10.077	7.988	5.665	4.742	3.353	3.196	2.736	2.378	2.999	5.940	9.117	9.563	7.199
	TOTAL OBS	310	262	310	300	310	299	310	310	300	310	300	308	3649
	MEAN	41.3	44.8	45.8	47.7	51.0	53.5	56.1	58.2	58.2	52.8	43.5	39.7	49.4
	S. D.	11.644	8.919	6.653	4.831	3.558	3.660	3.039	2.542	3.304	7.340	10.406	10.409	9.329
	TOTAL OBS	310	262	310	300	310	298	310	310	300	310	300	307	3647
ALL HOURS	MEAN	41.1	44.4	45.3	47.5	51.7	54.6	57.5	59.0	58.3	52.6	43.3	40.1	49.7
	S. D.	11.369	9.512	7.728	5.954	4.223	4.171	3.440	3.105	4.535	8.311	11.016	11.207	10.113
	TOTAL OBS	2480	2255	2480	2400	2480	2391	2480	2480	2397	2478	2400	2464	29125

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

111 PINE BLUFF, CALIFORNIA

73-72

JAN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	1	100.0	93.5	87.7	84.0	79.0	73.9	62.9	44.2	11.0	71.0	31
	2	100.0	94.2	88.7	85.5	80.3	71.9	61.3	41.9	14.2	69.6	310
	3	100.0	94.2	87.7	83.9	79.0	71.3	61.3	39.4	11.3	66.0	310
	4	97.7	90.0	81.3	75.2	64.2	51.3	36.5	21.0	5.0	56.1	310
	5	100.0	91.3	86.5	78.1	68.1	52.3	31.0	14.2	2.9	58.0	310
	6	100.0	93.7	90.6	84.2	75.9	62.6	41.3	17.7	2.2	62.8	310
	7	100.0	97.1	92.3	88.7	83.9	76.5	63.9	38.1	2.4	70.7	310
	8	100.0	95.8	90.0	85.0	83.0	77.4	66.8	44.8	12.2	71.7	310
TOTALS		100.0	93.7	88.1	83.3	76.7	67.2	53.0	32.7	2.0	66.2	2400

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

111 POINT MUGO, CALIFORNIA 73-02 CFB
STATION MONTH PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	01	100.0	95.7	94.0	92.5	89.7	86.1	76.2	58.4	19.9	77.4	281
	02	100.0	96.8	94.3	92.2	89.7	86.5	73.4	52.8	21.3	77.0	282
	03	99.6	96.9	94.7	91.5	87.6	81.6	71.7	54.3	20.2	75.6	282
	04	99.6	94.7	89.7	78.7	69.9	61.0	45.0	27.3	9.2	63.2	284
	05	99.6	95.0	89.7	85.5	77.0	65.2	41.8	14.9	7.2	62.8	282
	06	100.0	96.5	93.0	88.3	80.1	72.7	46.8	22.0	7.8	65.6	282
	07	100.0	97.5	95.7	95.0	90.4	85.1	77.3	45.4	10.4	75.5	282
	08	99.7	96.5	95.0	93.6	90.7	88.3	81.9	62.4	18.9	78.6	282
TOTALS		99.8	96.2	93.3	89.7	84.4	78.3	64.2	42.2	13.1	72.0	2255

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

111 POINT HUGH, CALIFORNIA

73-52

MAR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	01	100.0	99.7	98.7	96.8	94.5	90.0	81.0	57.7	17.6	79.2	310
	02	100.0	99.0	97.4	95.8	94.9	90.0	81.3	62.3	17.7	79.9	310
	03	100.0	99.0	96.5	94.8	93.9	90.0	80.3	61.9	17.7	79.6	310
	04	100.0	97.1	92.3	87.1	79.7	62.6	39.0	16.5	.6	63.2	310
	05	100.0	96.8	94.8	91.0	84.4	58.1	29.0	8.7	.3	62.4	310
	06	100.0	99.0	96.8	94.8	90.0	71.9	37.4	11.9	1.0	66.0	310
	07	100.0	100.0	99.7	98.4	94.8	89.4	73.5	36.8	2.9	75.3	310
	08	100.0	99.7	99.4	98.7	95.5	91.0	82.3	52.9	10.0	78.8	310
TOTALS		100.0	98.8	97.0	94.7	90.0	80.4	63.0	36.6	7.6	73.1	2480

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION 111 POINT MUGN, CALIFORNIA STATION NAME 73-22 PERIOD 198 MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
10	01	100.0	99.3	99.3	99.3	97.7	95.7	89.3	64.7	17.0	82.4	300
	02	100.0	99.7	99.3	99.3	97.7	94.3	89.3	67.7	20.3	92.9	300
	03	100.0	99.0	97.3	96.7	94.3	93.0	85.7	62.7	19.7	91.0	300
	04	100.0	96.3	94.3	92.7	87.3	66.3	40.0	10.3	.7	64.4	300
	05	99.7	98.3	96.3	94.7	88.7	66.7	29.0	6.0		63.6	300
	06	100.0	99.0	97.7	95.0	90.0	74.7	39.0	9.7	.7	66.4	300
	07	100.0	99.3	98.7	98.3	97.0	92.0	78.0	36.7	4.0	76.3	300
	08	100.0	99.3	99.0	98.7	98.0	96.7	88.3	55.3	12.7	81.2	300
TOTALS		100.0	98.8	97.7	96.8	93.6	85.1	67.3	39.1	9.4	74.8	2400

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

1111

POINT MUGO, CALIFORNIA

75-82

MAY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	01	100.0	100.0	100.0	100.0	100.0	98.4	94.8	76.1	29.7	96.0	310
	04	100.0	100.0	99.7	99.7	99.4	97.4	94.5	78.4	38.4	97.0	310
	07	100.0	100.0	99.7	99.4	99.0	95.5	89.7	63.5	19.4	92.7	310
	10	100.0	99.4	99.0	98.4	96.1	86.1	54.2	23.5	1.9	71.5	310
	13	100.0	99.7	99.0	98.4	95.5	80.3	36.8	12.3	.6	67.8	310
	16	100.0	100.0	100.0	99.7	97.1	88.4	46.5	10.6	1.0	70.1	310
	19	100.0	100.0	100.0	100.0	99.7	94.5	64.5	51.0	4.8	79.6	310
	22	100.0	100.0	100.0	100.0	100.0	98.1	93.9	70.0	19.4	94.4	310
TOTALS		100.0	99.9	99.7	99.5	98.1	92.6	74.4	48.4	14.2	76.6	2440

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

111 POINT MUGO, CALIFORNIA 73-22 JUN NORTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	01	100.0	99.7	99.7	99.3	99.3	99.0	97.7	87.0	53.9	87.6	299
	04	100.0	99.7	99.7	99.7	99.3	98.7	98.0	90.3	41.8	89.0	299
	07	100.0	99.7	99.3	98.7	98.0	97.3	95.0	76.3	21.7	84.4	299
	10	100.0	99.5	98.7	98.0	97.0	88.6	49.8	24.1	1.7	71.4	299
	13	100.0	99.0	99.0	98.0	95.3	81.9	35.8	7.0	.3	67.2	299
	16	100.0	100.0	100.0	98.0	96.0	86.6	39.8	9.0		66.7	299
	19	100.0	100.0	100.0	99.7	98.7	96.3	84.3	49.5	2.0	78.7	299
	22	100.0	99.7	99.7	99.7	99.7	98.7	97.3	80.9	17.4	85.2	298
TOTALS		100.0	99.6	99.5	98.9	97.9	93.4	74.7	53.0	14.8	79.0	2391

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

11

POINT MUSE, CALIFORNIA

73-82

JUL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	1	100.0	100.0	100.0	100.0	100.0	100.0	99.7	96.5	43.5	70.1	310
	04	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.8	48.4	91.2	310
	07	100.0	100.0	100.0	100.0	100.0	100.0	99.7	89.0	34.8	88.4	310
	10	100.0	100.0	100.0	100.0	99.7	97.1	69.7	21.6	2.3	74.6	310
	13	100.0	100.0	100.0	99.7	99.7	89.1	46.1	7.4	.3	69.3	310
	16	100.0	100.0	100.0	100.0	99.7	93.9	45.2	11.0	.6	70.4	310
	19	100.0	100.0	100.0	100.0	100.0	100.0	96.1	57.1	4.2	80.9	310
	22	100.0	100.0	100.0	100.0	100.0	100.0	99.0	91.9	28.4	87.8	310
TOTALS		100.0	100.0	100.0	100.0	99.9	97.4	81.9	58.9	20.3	91.6	2440

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

7111
STATION

POINT MUGO, CALIFORNIA
STATION NAME

71-02

PERIOD

AUG
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	01	100.0	100.0	100.0	100.0	100.0	100.0	99.7	93.2	32.3	88.4	310
	04	100.0	100.0	100.0	100.0	100.0	100.0	99.7	94.5	37.1	89.4	310
	07	100.0	100.0	100.0	100.0	100.0	100.0	99.7	89.7	33.2	88.5	310
	10	100.0	100.0	100.0	100.0	100.0	92.6	64.8	20.6	1.3	72.9	310
	13	100.0	100.0	100.0	100.0	99.7	85.8	36.8	4.8	.3	68.1	310
	16	100.0	100.0	100.0	100.0	99.7	91.6	47.4	9.7	.6	69.8	310
	19	100.0	100.0	100.0	100.0	100.0	100.0	96.5	66.5	3.2	81.5	310
	22	100.0	100.0	100.0	100.0	100.0	100.0	99.4	90.3	21.6	86.8	310
TOTALS		100.0	100.0	100.0	100.0	99.0	96.3	80.5	58.5	16.2	80.7	2480

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

111 POINT MUGU, CALIFORNIA 73-22 SEP
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	01	100.0	99.7	99.7	99.0	98.3	97.0	95.7	88.7	22.3	96.0	300
	04	100.0	99.7	99.3	99.0	98.3	97.3	95.3	88.3	25.0	96.7	300
	07	99.7	99.3	98.7	98.0	97.3	96.3	94.0	84.6	32.1	96.1	299
	10	100.0	98.7	96.7	96.0	95.7	89.3	60.5	22.7	2.7	71.5	299
	13	99.7	98.7	97.7	96.3	93.7	82.9	40.1	9.4	.7	67.3	299
	16	99.7	99.0	98.7	97.7	93.3	88.0	52.3	11.3	1.7	69.4	300
	19	100.0	100.0	100.0	99.7	98.7	97.0	91.0	57.3	4.0	80.1	300
	22	100.0	100.0	100.0	100.0	99.7	99.0	97.7	79.7	13.7	84.5	300
TOTALS		99.9	99.4	98.9	98.2	96.7	93.4	78.3	55.3	12.7	79.0	2397

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION 7111 POINT MUGO, CALIFORNIA STATION NAME 77-82 PERIOD OCT MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	01	100.0	99.4	98.4	96.5	94.7	91.0	85.2	72.3	20.0	81.6	310
	04	99.7	97.4	96.1	93.5	92.0	88.7	84.5	70.3	23.2	80.9	310
	07	100.0	97.4	95.8	93.9	90.6	86.7	82.5	67.6	23.3	79.8	309
	10	99.7	91.9	89.0	86.8	82.3	70.3	41.3	19.7	2.9	63.7	310
	13	99.7	95.2	92.3	89.7	84.6	68.1	34.8	7.4	1.0	62.2	310
	16	100.0	97.7	95.8	94.5	90.9	79.3	44.3	16.2	1.0	67.1	309
	19	100.0	99.4	98.4	97.7	94.6	91.6	82.3	54.8	5.5	78.3	310
	22	99.7	98.4	97.7	97.1	96.1	94.2	89.7	67.1	13.9	81.1	310
TOTALS		99.9	97.3	95.4	93.7	90.9	83.7	68.1	46.9	11.4	74.3	2478

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

111
STATION

POINT MUGO, CALIFORNIA
STATION NAME

73-92
PERIOD

NOV
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	01	100.0	92.3	88.7	83.0	78.7	73.7	61.7	45.0	16.0	69.7	300
	02	100.0	91.7	89.0	84.3	78.7	72.0	62.0	43.7	15.3	69.3	300
	03	99.7	91.0	87.7	83.0	75.7	70.0	59.7	39.7	12.3	67.6	300
	04	100.0	87.0	78.7	66.0	56.3	42.3	27.3	12.0	3.7	52.7	300
	05	100.0	91.3	86.0	76.0	63.0	45.7	20.0	4.3	1.0	53.9	300
	06	100.0	97.0	92.3	85.0	75.7	53.0	33.7	5.7	.3	60.5	300
	07	100.0	95.3	94.7	93.0	90.3	78.7	66.3	38.3	6.7	72.0	300
	08	100.0	93.3	91.3	86.7	83.7	79.0	67.7	46.0	12.7	72.1	300
TOTALS		100.0	92.4	88.6	82.4	75.7	64.9	49.7	29.7	5.5	64.7	2400

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

7.11 2010 MUGG, CALIFORNIA 73-PC DFC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	31	100.0	83.2	84.1	80.2	75.6	69.2	59.1	41.6	13.6	67.5	308
FEB	28	100.0	84.5	86.7	83.1	76.3	68.2	55.9	39.0	12.7	67.6	308
MAR	31	100.0	84.8	87.3	83.6	76.3	67.5	56.5	37.3	11.4	67.3	308
APR	30	100.0	87.7	79.2	70.5	58.8	46.8	30.8	16.2	4.9	55.3	308
MAY	31	100.0	86.7	83.8	77.3	63.4	50.2	26.9	8.7	1.3	56.0	309
JUN	30	100.0	83.5	89.0	84.1	75.0	60.4	39.6	14.9	2.3	61.1	308
JUL	31	100.0	86.4	91.9	90.3	86.0	80.2	66.2	40.6	6.5	71.8	308
AUG	31	100.0	84.5	87.9	84.0	80.1	74.9	65.8	45.0	12.7	70.4	307
SEP	30											
OCT	31											
NOV	30											
DEC	31											
TOTALS		100.0	82.9	86.2	81.7	73.9	64.7	50.1	30.4	8.2	64.6	2444

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION 1111 COLEMAN HILL, CALIFORNIA STATION NAME 73-72 PERIOD ALL MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	73.7	68.1	63.3	76.7	67.2	53.0	32.7	9.0	66.2	2430
FEB		99.0	76.2	93.3	89.7	84.4	78.3	64.2	42.2	13.1	72.0	2275
MAR		100.0	98.8	97.0	94.7	90.9	80.4	63.0	38.6	7.6	73.1	2440
APR		100.0	98.8	97.7	96.8	93.8	85.1	67.3	39.1	9.4	74.8	2430
MAY		100.0	99.9	99.7	99.5	98.3	92.6	74.4	48.4	14.2	78.6	2450
JUN		100.0	99.6	99.5	98.9	97.0	93.4	74.7	53.0	14.9	79.0	2391
JUL		100.0	100.0	100.0	100.0	99.0	97.4	61.9	50.4	20.3	61.6	2460
AUG		100.0	100.0	100.0	100.0	99.9	96.3	80.5	58.5	16.2	60.7	2480
SEP		99.9	99.4	98.9	98.2	96.7	93.4	78.3	55.3	12.7	79.0	2367
OCT		99.9	97.0	95.4	93.7	90.8	83.7	68.1	46.9	11.4	74.3	2472
NOV		100.0	92.4	88.6	82.4	75.2	64.9	49.7	29.7	8.5	64.7	2400
DEC		100.0	72.9	66.2	61.7	73.9	64.7	50.1	30.4	8.2	64.6	2464
TOTALS		100.0	97.4	95.4	93.2	89.9	83.1	67.1	44.5	12.1	74.1	29185

OCEANAV-SMOS

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

111
STATION

POINT MUGO, CALIFORNIA
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

JANUARY
MONTH

ALL
HOUR

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91		16.0									.1
82 TO 86		50.0	33.3		16.7						.2
77 TO 81		57.1	28.6		7.1	7.1				14	.6
72 TO 76	2.0	38.0	44.0		4.0	8.0	2.0	2.0		57	2.5
67 TO 71	3.3	28.9	27.8	1.1	10.0	3.3	11.1	11.1	3.3	70	3.6
62 TO 66	2.7	14.3	15.5	3.1	15.9	10.5	23.6	10.9	3.5	258	10.4
57 TO 61	4.4	11.4	9.9	7.3	13.6	10.1	18.7	10.2	13.8	587	23.7
52 TO 56	14.9	21.1	12.3	4.6	6.6	3.9	10.3	7.1	19.2	603	24.3
47 TO 51	22.4	30.4	11.7	2.3	1.6	.7	3.3	7.9	19.6	428	17.3
42 TO 46	28.4	38.3	7.8	.4	.7		1.1	4.6	18.8	282	11.4
37 TO 41	43.3	37.0	9.4					.8	9.4	127	5.1
32 TO 36	59.4	28.1	6.3						6.3	32	1.3
27 TO 31	100.0									1	.0
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	15.4	23.5	12.5	3.7	7.4	4.5	10.5	7.7	14.5	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION: 011 POINT MUD, CALIFORNIA STATION NAME: JANUARY 1973-DECEMBER 1982 YEAR: FEBRUARY MONTH: ALL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	PAVY	TOTAL FREQ.	OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81	10.0	30.0	40.0		10.0				10.0	10	.4
72 TO 76	7.1	38.1	14.3	4.8	2.4	4.8	14.3	11.9	2.4	47	1.7
67 TO 71	2.2	21.3	22.5		5.6	9.0	16.9	19.1	3.4	84	3.0
62 TO 66	2.4	12.4	10.8	4.0	12.7	9.6	29.1	15.1	4.0	75	11.1
57 TO 61	3.9	8.3	6.5	9.0	17.5	11.2	23.3	8.5	11.1	54.6	25.1
52 TO 56	10.7	16.7	9.3	6.0	8.1	4.5	12.9	11.0	21.0	54.7	25.8
47 TO 51	23.4	27.3	10.9	.5	2.1	.3	2.1	6.5	26.8	104	17.7
42 TO 46	29.5	37.5	7.2	.4			.5	3.6	21.1	251	11.1
37 TO 41	30.8	28.2	11.5					2.6	26.9	74	3.5
32 TO 36	30.0		50.0								.1
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	12.6	19.2	9.7	4.5	5.6	5.7	13.6	9.2	16.7	2265	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

111 STATION BOATY MUSH, CALIFORNIA JANUARY 1973-DECEMBER 1982 MARCH ALL
STATION NAME YEARS MONTH HOUR

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86		25.0	50.0	25.0						4	.2
77 TO 81			26.6	14.3	14.3		28.6		14.3	7	.3
72 TO 76	20.0	10.0	30.0				40.0			10	.4
67 TO 71	5.4	12.5	19.6	1.8	12.5	8.9	30.4	5.4	3.6	56	2.3
62 TO 66	2.9	2.6	3.2	6.5	14.2	12.6	45.8	8.4	3.9	110	12.5
57 TO 61	2.6	2.9	2.7	8.1	14.5	8.1	37.5	11.5	12.1	627	25.3
52 TO 56	5.1	8.1	5.4	6.5	9.4	4.4	22.7	17.4	21.0	682	27.5
47 TO 51	19.6	24.9	8.5	2.1	1.1	.6	5.3	12.2	25.6	469	18.9
42 TO 46	37.0	26.0	6.7			.4	1.5	3.0	23.4	265	10.7
37 TO 41	37.5	35.4	6.3					6.3	14.6	48	1.9
32 TO 36	100.0									2	.1
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	11.1	11.0	5.0	5.0	9.5	5.2	23.5	11.6	17.1	2407	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

111
STATION

POINT MUGU, CALIFORNIA
STATION NAME

JANUARY 1973-DECEMBER 1992
YEARS

APRIL
MONTH

ALL
HOURS LIST

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91			50.0				50.0			7	.1
82 TO 86		40.0	20.0		20.0			20.0		5	.2
77 TO 81	5.9	23.5	41.2				23.5	5.9		17	.7
72 TO 76		5.6	16.7		27.8		27.8	22.2		18	.8
67 TO 71		2.2	9.8	1.1	6.5	14.1	55.4	9.8	1.1	92	3.6
62 TO 66	1.5	1.0	.5	2.0	12.2	18.8	55.5	7.1	1.3	393	16.4
57 TO 61	3.3	2.0	.9	3.1	9.3	12.5	39.7	16.7	12.5	551	23.0
52 TO 56	8.1	7.9	2.7	2.3	4.9	4.6	20.1	18.7	30.8	738	30.8
47 TO 51	17.2	20.9	7.0	.7	.2	.2	6.7	13.5	33.5	430	17.9
42 TO 46	21.5	34.8	7.4					2.2	34.1	135	5.6
37 TO 41	44.4	33.3	11.1						11.1	18	.8
32 TO 36									100.0	1	.0
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	8.2	9.4	3.8	1.9	6.2	8.0	28.1	13.9	20.6	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION

POINT MUGU, CALIFORNIA

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

MAY

MONTH

ALL

PERCENTAGE

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
122											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96		100.0								1	.0
87 TO 91		50.0					50.0			2	.1
82 TO 86		100.0								1	.0
77 TO 81				9.1		36.4	54.5			11	.4
72 TO 76	4.2		8.3	4.2	8.3	16.7	41.7	16.7		24	1.0
67 TO 71	.8	.8			12.5	19.2	55.0	6.7	5.0	120	4.8
62 TO 66	.5	.3	.2	1.2	9.8	16.6	60.3	8.9	2.2	584	23.5
57 TO 61	3.5	6.3	1.4	4.8	9.7	6.2	31.0	16.7	20.1	904	36.5
52 TO 56	7.9	7.1	3.5	2.1	4.0	3.0	17.0	22.2	33.2	623	25.1
47 TO 51	13.7	17.7	6.9			1.7	8.0	13.7	38.3	175	7.1
42 TO 46	16.1	35.5	12.9					3.2	32.3	31	1.3
37 TO 41	25.0	25.0		25.0					25.0	4	.2
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	4.8	6.0	2.2	2.7	7.5	8.3	33.7	15.2	19.6	2487	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

000
STATION

POINT MUGU, CALIFORNIA
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

JUNE
MONTH

ALL
HOURS U.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101			100.0							1	.0
92 TO 96			100.0							2	.1
87 TO 91					25.0	25.0	25.0	25.0		4	.2
82 TO 86	5.6	11.1		5.6	5.6	11.1	44.4	11.1	5.6	18	.8
77 TO 81		16.7		4.2	8.3	12.5	45.8	8.3	4.2	24	1.0
72 TO 76	2.2				11.0	16.5	53.8	11.0	5.5	91	3.8
67 TO 71	1.4	.6	.3	.8	10.5	11.0	64.3	9.9	1.1	353	14.3
62 TO 66	3.3	2.7	.8	2.8	10.1	11.8	47.2	13.4	2.0	636	26.6
57 TO 61	8.5	5.1	2.6	4.1	6.1	3.4	20.4	21.6	28.3	849	35.5
52 TO 56	13.1	9.5	2.3	.7	1.0	.7	13.8	17.0	42.0	305	12.8
47 TO 51	11.0	11.5	2.2	1.1	1.1		6.6	18.7	48.4	91	3.8
42 TO 46	17.6	17.6	17.6	5.9			5.9		35.3	17	.7
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	6.4	4.6	1.8	2.6	7.2	6.9	34.2	16.2	20.1	2391	100.0

NAVWEASERCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

47111
STATION

POINT MUGU, CALIFORNIA
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

JULY
MONTH

ALL
HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86							100.0			1	.0
77 TO 81					11.1	22.2	55.6	11.1		14	.7
72 TO 76				.5	9.6	20.2	61.1	8.6		198	8.0
67 TO 71	.5	1.3		.8	7.2	13.3	61.5	11.8	3.5	595	24.0
62 TO 66	6.8	4.4	1.8	3.9	6.8	6.5	27.9	23.7	18.2	709	28.6
57 TO 61	10.9	7.6	4.0	2.9	3.4	2.3	9.5	21.1	38.3	697	28.1
52 TO 56	11.7	12.2	4.8		1.7	.9	6.5	18.3	43.9	230	9.3
47 TO 51	24.1	17.2	6.9					10.3	41.4	29	1.2
42 TO 46	13.0									1	.0
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	6.5	5.3	2.2	2.2	5.6	7.5	31.4	18.1	21.4	2478	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

7111
STATION

POINT MUGU, CALIFORNIA
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

AUGUST
MONTH ALL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86							100.0			1	.0
77 TO 81							73.9	26.1		23	.9
72 TO 76				.3	6.3	16.1	67.3	9.5	.5	367	14.8
67 TO 71	1.2	.7		1.9	11.7	15.5	49.3	15.6	4.1	587	23.5
62 TO 66	2.5	7.6	2.0	3.0	5.0	3.0	12.8	27.7	30.3	952	38.4
57 TO 61	14.0	16.1	5.6	.8	1.9	.6	3.5	17.1	40.3	479	19.3
52 TO 56	22.2	27.8	9.7	1.4	1.4			4.2	33.3	72	2.9
47 TO 51		50.0	25.0						25.0	4	.2
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	6.9	7.1	2.2	1.9	6.0	7.3	27.9	19.4	21.5	2480	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

POINT MUGO, CALIFORNIA

JANUARY 1973-DECEMBER 1982 SEPTEMBER

ALL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101		10.0	50.0							3	.1
92 TO 96			25.0		50.0	25.0				4	.2
87 TO 91		10.0			20.0	20.0	40.0			10	.4
82 TO 86		10.7				21.4	37.1	10.7		20	1.2
77 TO 81	2.2	6.7	2.2		2.2	17.8	48.9	20.0		85	1.9
72 TO 76	1.2	2.0	.6	1.4	13.0	13.0	35.5	8.3	1.6	253	10.5
67 TO 71	4.0	1.7	1.3	3.0	11.2	12.9	42.1	13.2	9.7	606	25.3
62 TO 66	10.5	7.4	3.9	4.3	7.6	5.4	11.5	21.7	27.6	882	36.8
57 TO 61	10.4	30.1	6.0	2.7	1.5	1.9	4.0	12.3	30.8	981	20.0
52 TO 56	70.7	33.3	12.6	1.1	1.1	1.1		1.1	28.7	87	3.6
47 TO 51	10.0	50.0								2	.1
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
1 TO 1											
8 TO -4											
13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	5.7	11.1	3.7	3.3	7.5	7.8	23.5	15.2	20.0	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

111
STATION

POINT MUGO, CALIFORNIA
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

OCTOBER
MONTH

ALL
HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96		100.0								2	.1
87 TO 91		50.0	33.3				16.7			6	.2
82 TO 86	4.0	28.0	8.0	4.0	8.0		32.0	16.0		75	1.0
77 TO 81		26.3	7.9	2.6	5.3	2.6	34.2	21.1		38	1.5
72 TO 76	2.1	10.6	2.1	.7	10.6	4.2	58.5	9.2	2.1	142	5.7
67 TO 71	2.5	4.5	1.1	2.2	11.8	13.2	48.0	10.5	6.3	448	18.1
62 TO 66	9.3	5.3	2.7	4.4	10.3	6.5	24.7	14.1	22.7	697	28.1
57 TO 61	17.1	15.7	4.8	1.0	3.1	2.2	7.4	12.5	36.2	585	23.6
52 TO 56	20.8	26.0	6.3	.3	1.1	.3	1.9	5.5	38.0	366	14.8
47 TO 51	28.1	28.1	11.5	1.4			.7	2.9	27.3	139	5.6
42 TO 46	27.6	48.3	10.3					3.4	10.3	29	1.2
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	12.2	13.5	4.2	2.1	6.7	5.0	21.9	10.8	23.5	2477	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

111
STATION

POINT MUGU, CALIFORNIA
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

NOVEMBER
MONTH

ALL
HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91		13.3	66.7							7	.1
82 TO 86		46.2	30.8		15.4		7.7			18	.5
77 TO 81	2.6	31.6	18.4	2.6	13.2	2.6	21.1	7.9		39	1.6
72 TO 76	3.7	21.3	21.3	2.8	4.6	5.6	21.3	14.6	4.6	106	4.5
67 TO 71	8.6	15.7	9.6	1.5	6.1	9.1	31.8	13.1	4.5	149	6.3
62 TO 66	8.2	8.0	7.3	4.4	12.9	8.7	33.0	11.7	5.9	427	17.8
57 TO 61	16.1	11.4	6.6	5.4	6.8	5.8	19.7	13.3	14.9	517	21.5
52 TO 56	19.6	24.0	12.4	2.1	2.9	1.5	4.6	8.0	24.8	475	19.8
47 TO 51	33.0	35.5	8.9				.3	4.0	18.3	349	14.5
42 TO 46	35.8	31.0	7.0		.4		1.3	2.2	22.3	229	9.5
37 TO 41	19.0	36.6	9.8					2.4	12.2	41	1.7
32 TO 36		100.0								7	.1
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	18.6	20.5	9.6	2.7	5.4	4.1	15.2	9.3	14.6	2460	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

111
STATION

POINT MUGU, CALIFORNIA
STATION NAME

JANUARY 1973-DECEMBER 1982
YEAR

DECEMBER
MONTH

ALL
NO. OF YEARS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91		100.0								7	.1
82 TO 86		83.3	16.7							5	.7
77 TO 81		73.3	26.7							15	.6
72 TO 76	6.1	36.7	22.4		4.1	6.1	14.3	10.2		42	2.5
67 TO 71	4.5	20.0	25.5	3.6	12.7	4.5	19.1	7.3	2.7	117	4.4
62 TO 66	3.0	13.7	14.3	2.4	13.4	12.5	22.3	13.1	5.2	328	13.2
57 TO 61	7.8	13.2	10.1	6.9	12.6	5.0	23.7	10.7	10.1	477	19.3
52 TO 56	15.2	21.4	9.9	3.7	5.3	3.1	7.1	12.1	22.2	546	22.0
47 TO 51	22.9	31.8	8.7	2.1	1.7	.7	1.9	4.7	25.5	624	17.1
42 TO 46	32.6	27.7	11.0	.6	.9	.6	.6	4.3	21.9	347	14.0
37 TO 41	33.3	30.1	13.1	.7				1.3	21.6	153	6.2
32 TO 36	21.1	36.8	10.5					5.3	26.3	19	.8
27 TO 31								100.0		1	.0
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	16.3	22.9	11.7	3.1	6.4	3.8	10.6	8.6	16.6	2477	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

111
STATION

POINT MUGO, CALIFORNIA
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

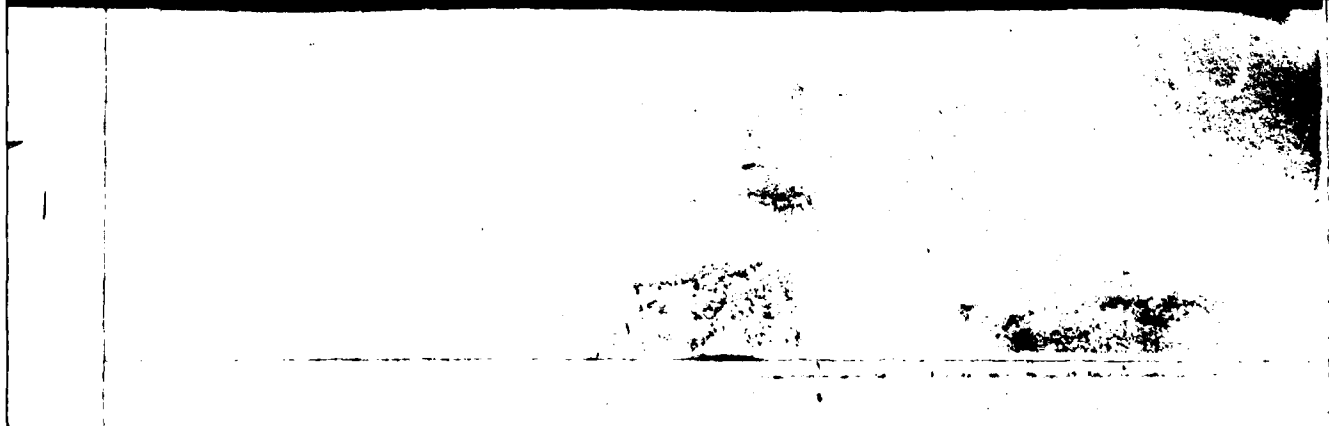
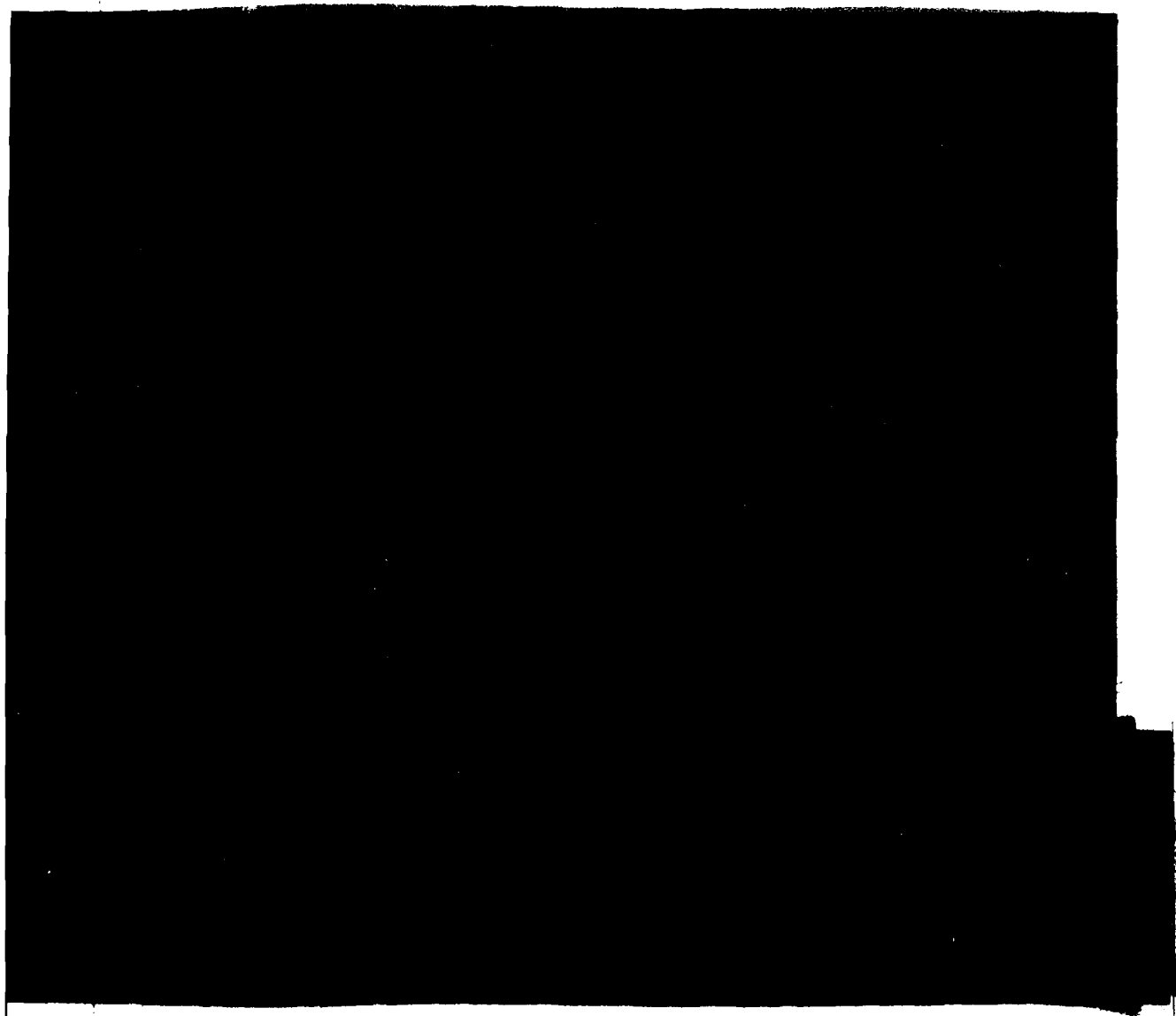
ALL
MONTH

ALL
HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101		33.3	66.7							3	.0
92 TO 96		33.3	33.3		22.2	11.1				9	.0
87 TO 91		35.5	16.1		9.7	9.7	25.8	3.2		31	.1
82 TO 86	1.9	27.8	11.1	2.8	6.5	7.4	32.4	9.3	.9	108	.4
77 TO 81	1.5	21.2	12.3	1.9	5.0	8.5	35.8	11.9	1.2	267	.9
72 TO 76	1.6	7.2	5.5	1.0	6.7	12.7	52.1	9.7	1.5	1352	4.6
67 TO 71	2.4	4.6	3.8	1.9	10.1	12.6	47.7	12.1	4.9	3339	11.4
62 TO 66	6.0	6.0	3.9	3.5	9.6	9.1	30.4	16.7	14.9	6427	22.0
57 TO 61	8.3	10.0	4.7	4.7	8.4	5.8	20.6	14.8	22.6	7320	25.1
52 TO 56	12.2	15.3	7.1	3.2	5.0	3.1	12.6	13.6	27.7	5309	18.2
47 TO 51	22.1	27.0	9.0	1.3	1.0	.5	3.6	8.8	26.9	2924	10.0
42 TO 46	31.1	32.3	8.6	.3	.4	.2	.9	3.5	22.7	1587	5.4
37 TO 41	36.9	32.8	10.7	.4				1.9	17.3	469	1.6
32 TO 36	44.8	31.0	8.6					1.7	13.8	58	.2
27 TO 31	50.0							50.0		2	.0
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10.6	12.9	5.8	3.0	6.9	6.2	22.9	12.9	18.9	29198	100.0

NAVWEASERVCOM



WCOB, Federal Building
Asheville, N. C.

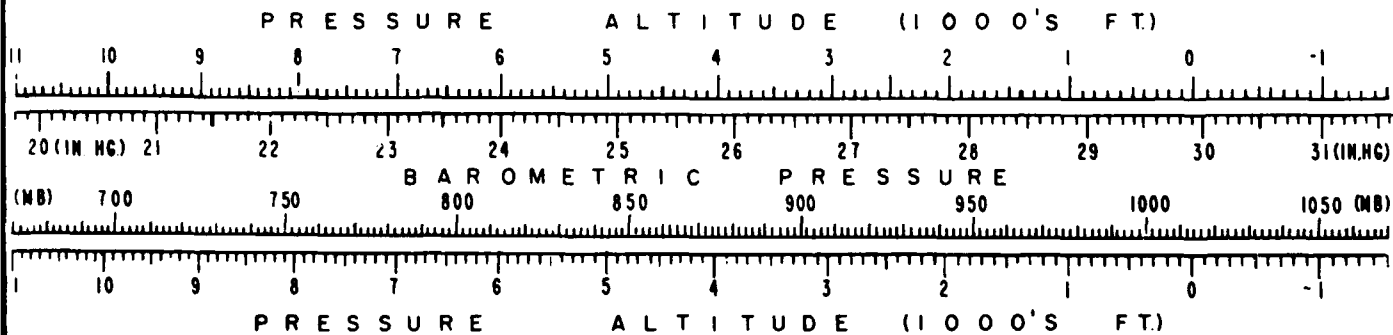
PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.

2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

111 1111 MUG, CALIFORNIA

73-82

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
	MEAN	1017.7	1017.8	1015.4	1015.6	1013.6	1012.7	1013.0	1013.0	1012.5	1015.0	1016.8	1018.1	1015.1	
	S. D.	4.143	4.165	4.146	2.783	2.339	2.339	2.017	2.260	2.473	2.455	3.609	3.766	3.747	
	TOTAL OBS	310	242	310	300	310	299	310	310	300	310	300	310	3651	
	MEAN	1017.5	1017.3	1015.1	1015.2	1013.2	1012.6	1013.0	1012.8	1012.2	1014.5	1016.5	1017.9	1014.9	
	S. D.	4.147	4.268	4.192	2.779	2.303	2.311	2.024	2.296	2.415	2.468	3.648	3.669	3.734	
	TOTAL OBS	310	242	310	300	310	299	310	310	300	310	300	310	3651	
	MEAN	1018.0	1018.0	1016.1	1016.2	1014.2	1013.6	1014.0	1013.8	1013.2	1015.6	1017.3	1018.5	1015.7	
	S. D.	4.150	4.285	4.261	2.777	2.456	2.329	2.044	2.309	2.460	2.540	3.720	3.691	3.678	
	TOTAL OBS	310	242	310	300	310	299	310	310	300	310	300	310	3651	
	MEAN	1019.3	1019.1	1016.9	1016.9	1014.7	1014.1	1014.5	1014.4	1013.9	1016.3	1018.2	1019.7	1016.5	
	S. D.	4.116	4.188	4.272	2.788	2.443	2.307	2.053	2.321	2.527	2.506	3.774	3.667	3.749	
	TOTAL OBS	310	242	310	300	310	299	310	310	300	310	300	310	3651	
	MEAN	1017.3	1017.7	1016.0	1016.3	1014.4	1013.8	1014.1	1013.8	1013.0	1014.9	1016.4	1017.7	1015.5	
	S. D.	4.078	4.073	4.152	2.794	2.419	2.339	2.047	2.312	2.576	2.445	3.732	3.677	3.521	
	TOTAL OBS	310	242	310	300	310	299	310	310	300	310	300	310	3651	
	MEAN	1016.4	1016.8	1014.9	1015.0	1013.2	1012.8	1012.9	1012.5	1011.7	1014.1	1015.8	1017.1	1014.5	
	S. D.	4.049	4.137	4.106	2.833	2.356	2.355	2.028	2.334	2.539	2.477	3.725	3.717	3.613	
	TOTAL OBS	310	242	310	300	310	299	310	310	300	309	300	309	3649	
	MEAN	1017.4	1017.3	1015.2	1014.9	1013.1	1012.4	1012.5	1012.2	1011.7	1014.5	1016.3	1017.7	1014.6	
	S. D.	4.135	4.168	4.022	2.787	2.345	2.375	2.035	2.331	2.506	2.557	3.730	3.649	3.701	
	TOTAL OBS	310	242	310	300	310	299	309	310	300	310	300	309	3649	
	MEAN	1018.1	1017.8	1016.0	1015.8	1013.9	1013.1	1013.2	1013.0	1012.5	1015.1	1016.9	1018.3	1015.3	
	S. D.	4.121	4.240	3.978	2.783	2.317	2.377	2.027	2.280	2.506	2.485	3.716	3.641	3.746	
	TOTAL OBS	310	242	310	300	310	298	309	310	300	310	300	309	3648	
ALL HOURS	MEAN	1017.8	1017.7	1015.8	1015.7	1013.8	1013.1	1013.4	1013.2	1012.6	1015.0	1016.8	1018.1	1015.2	
	S. D.	4.176	4.231	4.184	2.860	2.446	2.408	2.136	2.406	2.599	2.567	3.760	3.744	3.754	
	TOTAL OBS	2440	2256	2480	2400	2400	2391	2478	2480	2400	2479	2400	2477	29201	

5702 MEANS AND STANDARD DEVIATIONS JAN 68

AVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

STATION		STATION NAME												YEARS	
RS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
	MEAN	29.845	30.048	29.989	29.983	29.922	29.898	29.906	29.903	29.889	29.963	30.018	30.056	29.954	
	S. D.	.112	.123	.123	.083	.070	.070	.060	.068	.074	.073	.107	.109	.111	
	TOTAL OBS	310	282	310	310	310	299	310	310	300	310	300	310	3651	
	MEAN	29.837	30.034	29.968	29.969	29.911	29.893	29.904	29.899	29.881	29.954	30.009	30.050	29.959	
	S. D.	.124	.126	.124	.083	.071	.069	.060	.068	.072	.073	.108	.106	.110	
	TOTAL OBS	310	282	310	300	310	299	310	310	300	310	300	310	3651	
	MEAN	29.882	30.153	29.995	30.001	29.940	29.922	29.934	29.930	29.912	29.980	30.032	30.068	29.985	
	S. D.	.112	.127	.126	.082	.073	.070	.060	.069	.073	.075	.110	.109	.109	
	TOTAL OBS	310	282	310	300	310	299	310	310	300	310	300	310	3651	
	MEAN	29.891	30.044	29.971	30.019	29.956	29.938	29.949	29.946	29.931	30.002	30.057	30.103	30.008	
	S. D.	.112	.124	.126	.082	.073	.069	.061	.069	.075	.075	.111	.109	.112	
	TOTAL OBS	310	282	310	300	310	299	310	310	300	310	300	310	3651	
	MEAN	29.883	30.045	29.995	30.001	29.945	29.930	29.938	29.933	29.904	29.962	30.006	30.044	29.978	
	S. D.	.110	.121	.123	.083	.072	.070	.060	.069	.076	.073	.110	.108	.104	
	TOTAL OBS	310	282	310	300	310	299	310	310	300	310	300	310	3651	
	MEAN	29.813	30.018	29.962	29.964	29.913	29.899	29.902	29.892	29.869	29.939	29.988	30.027	29.949	
	S. D.	.121	.122	.121	.084	.070	.069	.060	.069	.076	.074	.110	.110	.107	
	TOTAL OBS	310	282	310	300	310	299	310	310	300	309	300	309	3649	
	MEAN	29.836	30.030	29.969	29.962	29.908	29.889	29.889	29.882	29.868	29.948	30.004	30.044	29.952	
	S. D.	.112	.123	.112	.083	.069	.071	.060	.070	.077	.076	.110	.109	.112	
	TOTAL OBS	310	282	310	300	310	299	310	310	300	310	300	309	3651	
	MEAN	29.885	30.047	29.993	29.987	29.932	29.908	29.911	29.904	29.891	29.967	30.021	30.063	29.973	
	S. D.	.112	.125	.117	.082	.069	.070	.060	.069	.074	.074	.110	.107	.111	
	TOTAL OBS	310	282	310	300	310	298	310	309	300	310	300	309	3648	
ALL HOURS	MEAN	29.846	30.045	29.986	29.986	29.926	29.91	29.917	29.911	29.893	29.964	30.017	30.057	29.971	
	S. D.	.123	.125	.124	.085	.073	.072	.064	.072	.077	.076	.111	.111	.111	
	TOTAL OBS	2400	2456	2480	2400	2480	2391	2480	2479	2400	2479	2400	2477	29202	

END

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